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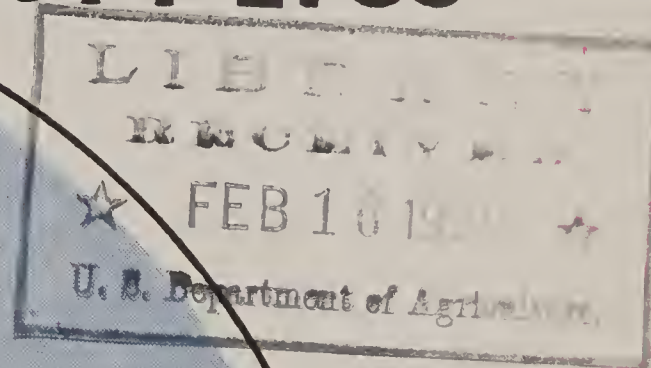
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Zinnia, Fantasy
See Page 11

RIBSAM'S

FARM-GARDEN LAWN SEEDS AND SUPPLIES



1938

SINCE
1868

**MARTIN C. RIBSAM
& SONS CO.
143-5-7 E. Front St.
TRENTON·N.J.**



Marigold, Crown of Gold
Odorless Foliage
See Page 8

To Our Trade:

WE OFFER this Garden and Farm Book in the earnest hope that it will continue its policy of helpful assistance. You may rest assured that the high standard of Quality, Dependability and Satisfactory Service will be maintained. In issuing this book, we have listed a few of the main items which we carry at all times. Because of the lack of space this book does not contain our entire stock of varieties of seed and implements. It would be a distinct pleasure for us to show you through our establishment. On our second floor we carry the larger types of farm machinery, dairy requisites, and seed stock. In the rear of our store we have a conservatory beautifully arranged with plants of all descriptions, and the rest of our store is devoted to carrying extensive stocks of all manners.

To our customers and friends we wish to express our grateful thanks for their hearty response to our efforts to provide for their greater accommodation.

IMPORTANT

Our years of experience and extensive reference department has grown to such an extent that we are in a reliable position to solve your growing, spraying, and mechanical difficulties.

Regarding Postage

When ordering seeds sent by mail within 150 miles, add 7c. for the first pound, and 1c. for each additional pound. A quart of seed weighs about two pounds.

NOTICE

Our aim is to sell the best seeds obtainable. We give no warranty, express or implied, as to description, quality, productiveness, or any other matter or any seeds, bulbs, or plants we sell and we will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned and money refunded

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MARTIN C. RIBSAM & SONS Co.

Phone 2-6111
Implement Dept. Phone 4534

143 to 147 EAST FRONT ST., TRENTON, N. J.



RIBSAM'S LAWN GRASS SEEDS

The preparation for laying down lawns is too often hastily and imperfectly made. The first point is to get the ground shaped to the desired grade, after which the whole area should be spaded to a depth of 5 to 6 inches. Sufficient subsoil should be removed so that at least 3 inches of good soil will overlay the whole in all places. If drainage is poor in certain sections of your lawn, drains should be laid wherever necessary. An application of lime is always advisable on newly built lawns and should be applied at the rate of 50 pounds to 1,000 square feet. Lime will correct excessive acidity. A generous application of organic matter such as Hyper Humus, dehydrated Cow Manures and Bonemeal, should be applied and mixed with the upper 3 inches of your plot. Not only does organic matter improve the texture and structure of your soil but it provides a favorable medium for nitrifying bacteria which is conducive to good plant growth, and increases and lengthens the availability of moisture and plant food. Rake and roll the area smooth, care being taken that no ridges and depressions are present. Then roll firmly, and after a light raking, sow **RIBSAM'S RELIABLE GRASS MIXTURES** at the rate of 1 pound to 150 or 200 square feet. Rake lightly and then roll firmly. Sowing may be done in the months of March, April or May and will form a good lawn before August. The Fall sowing of grass seed should be done in the months of August and September. A thick seeding will serve to choke out undesirable weed growth and make a smooth, even lawn.

Prices subject to change

RIBSAM'S EVERGREEN LAWN GRASS SEED

From yearly comparative trials, has proved to be unsurpassed for first-class and permanent results. This is due to the fact that we use only the very finest varieties of the most suitable grasses, thoroughly recleaned, free from all chaff and weed seeds. This seed will produce a green, smooth, velvety sod free from such varieties of common grasses as produce clumps and knots on the lawn, which so frequently spoil the desired smooth and deep effect.

Lb. 35c., 2 lbs. 65c., 5 lbs. \$1.50, 10 lbs. \$2.75, 20 lbs. \$5.25, 100 lbs. \$25.00

RIBSAM'S CHOICE LAWN GRASS SEED

This is composed of choice selected grasses, with White Clover, of neat, compact growth and will produce fine sward.

Lb. (measures somewhat near a quart) 30c., 2 lbs. 55c., 5 lbs. \$1.25, 10 lbs. \$2.25, 20 lbs. \$4.25, 100 lbs. \$20.00

RIBSAM'S SHADY NOOK LAWN GRASS MIXTURE

Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade.

Lb. 35c., 2 lbs. 65c., 5 lbs. \$1.50, 10 lbs. \$2.75, 20 lbs. \$5.25, 100 lbs. \$25.00

RIBSAM'S TERRACE SOD GRASS SEED

Realizing the difficulty experienced by the majority of lawn makers in getting a thick turf which will hold the soil on terraces and high slopes and prevent washing by heavy rains, we have, after much experimenting, established a mixture which admirably fills this need. This mixture has been carefully blended so as to contain various grasses of rapid, dense, even growth and strong root system which will insure a permanent, beautiful slope.

Lb. 30c., 2 lbs. 55c., 5 lbs. \$1.25, 10 lbs. \$2.25, 20 lbs. \$4.25, 100 lbs. \$20.00

LAWN GRASS MIXTURES SUGGESTED BY NEW JERSEY EXPERIMENTAL STATION

	1 lb.	2 lbs.	5 lbs.	10 lbs.	20 lbs.	100 lbs.
Formula No. 1 —Standard mixture with Clover.....	\$0.40	\$0.75	\$1.75	\$3.25	\$6.00	\$28.00
Formula No. 1a —Standard mixture without Clover....	.35	.65	1.50	2.75	5.25	25.00
Formula No. 2 —For finest quality turf.....	.65	1.25	3.00	5.50	10.00	45.00
Formula No. 3 —For shaded areas.....	.60	1.15	2.75	5.00	9.25	43.00
Formula No. 4 —Poor or sandy soils.....	.60	1.15	2.75	5.00	9.25	43.00

Above mixtures should be used at the rate of 1 lb. to 200 sq. ft., 100 lbs. to the acre

Prices Subject to Market Fluctuations. Special Prices on Large Quantities

HIGH BRED NITROGEN FIXING LEGUME BACTERIA FARMOGERM



FARMOGERM Price List

For All Clovers and Alfalfa (Small Seeds)		
Size	Inoculates	Price
$\frac{1}{2}$ bu.	30 lbs.	\$0.45
1 bu.	60 lbs.	.75
2 $\frac{1}{2}$ bu.	150 lbs.	1.50
For All Vetches, Peas and Beans, Soy Beans and Cow Peas (Large Seeds)		
Size	Inoculates	Price
$\frac{1}{2}$ bu.	30 lbs.	\$0.35
1 bu.	60 lbs.	.45
2 bu.	120 lbs.	.75
5 bu.	300 lbs.	1.50
20 bu.	1200 lbs.	6.00
Garden Size for Sweet Peas, Peas, Beans and Lima Beans		
for 12 lbs. of Seed - - - 20c.		

Note—Important

When ordering Farmogerm, Don't Fail to State the Kind of Legume to be Inoculated.



ANNUAL AND PERENNIAL FLOWER SEEDS

Treat all Flower Seeds with Semesan before sowing.

Annual—blooming the first year from seeds.

Biennial—flower the second year from seed and die.

Perennial—blooming the second year, sometimes the first year if sown early in Spring, after which they bloom every year.

General Cultural Directions—To get an early start seeds can be sown indoors in shallow boxes or seed pans, not over 3 inches deep. About 1 inch of rough material should be placed in the bottom and on top of this, another inch of fine sifted soil. After the surface has been smoothed and lightly pressed, sow the seed evenly and cover lightly with soil. Then press firmly and water very carefully in order not to wash the seeds out of the ground. Cover the box with a pane of glass, keep in a temperature of about 65 degrees and water carefully as needed. As the seedlings grow, the glass can be removed and the plants transplanted into other boxes or small pots from which they may be planted in the open ground when the weather is favorable. Before sowing seed outdoors, the ground should be thoroughly spaded and raked until it is as smooth and fine as possible. The seeds should be covered three or four times their diameter in order to prevent rains from washing them out. Do not sow seeds of tender plants until all danger of frost is over.

We know of nothing quite so fascinating as the culture of flowers. Plant freely and learn what wonders Nature will unfold from a few tiny seeds, how much a few flowers will add to the beauty of a home—none so humble as not to be able to have a few !

Grow the flowers you like and in abundance, but also, by way of adventure, grow each year some with which you are less familiar. The investment is small—no package of seeds ever cost a fortune. There will be pleasant surprises in store for you.

★**WE SUGGEST THESE NEW AND NOVEL INTRODUCTIONS FOR 1938 MARKED WITH A STAR**

ACHILLEA (*Yarrow*)

The Pearl. Perennial. 2 ft. high flower. Double white blooms all Summer. Pkt. 15c.

ACONITUM (*Monkshood*)

Napellus. Hardy perennial, with spikes of showy blue flowers. Well adapted for planting among shrubbery or in shady corners. Pkt. 10c.

ACROCLINIUM

Double Mixed. Pretty annual "Everlasting," lovely white and rosy pink. Daisylike flower. When cut in the bud state can be dried and used in Winter bouquets. Pkt. 10c.

AGERATUM (*Floss Flower*)

★**Blue Ball.** Dwarf annual, deep blue. Pkt. 10c.

Blue Perfection. Annual. Dark blue. Pkt. 10c.

Alba nanum. Annual. White. Pkt. 10c.

AGROSTEMMA

Coronaria. Perennial. Foliage silver white; flower crimson. 2 ft. Pkt. 10c.



Achillea

ALYSSUM (*Madwort*)

Carpet of Snow. Annual. Dwarf, pure white. Pkt. 10c.
Lilac Queen. Annual. Dwarf, deep lilac. Pkt. 10c.
Maritimum. Annual. Of trailing habit, pure white. Pkt. 5c.
Saxatile compactum (Goldentuft). Perennial. 1 ft. high. Golden yellow clusters in early Spring. Fine for rock gardens. Pkt. 10c.

AMARANTHUS

Tricolor splendens (*Josephs-coat*). Beautiful leaves of red, yellow and green. Very showy. Pkt. 10c.
Mixed Colors. Annual. Bright red and variegated drooping flower spikes. Pkt. 5c.

ANCHUSA

Italica, Dropmore Variety. Perennial. Showy dark blue flowers. Coarse foliage, about 4 ft. high and blooming in May and June. Pkt. 10c.
Capensis (*Summer Forget-me-not*). Annual. Gentian-blue flowers from July to October. 2 ft. Pkt. 5c.

ANNUAL Surprise Garden Mixture

A choice blending of many annual flowers and is ideal to brighten an unsightly corner. It is well balanced and will give bloom all season. Pkt. 5c.

ANTHEMIS (*Hardy Marguerite*)

Kelwayi alba. Perennial. Bear a Daisylike yellow golden blossom all Summer. Pkt. 10c.

ANTIRRHINUM (*Snapdragon*)

Half-hardy Perennial. One of the best cut flowers that can be grown in the garden. They prefer a sunny position.

TALL MAXIMUM. For forcing or outdoor use. 3 ft. high.

**The Rose
Copper King**

**Snowflake
Canary Bird**

Any of above, each, pkt. 15c.

Mixed. Pkt. 10c.

MAJUS GRANDIFLORUM, TALL GIANT FLOWERING. About 2 ft. high.

Fire King. Golden orange.

Queen Victoria. White.

Golden King

Rose Queen

Scarlet Cardinal

Mixed

Any of above, pkt. 10c., 6 pkts 50c.

SEMI-DWARF, LARGE FLOWERING. 1½ to 2 ft. tall. Excellent for bedding. Mixed, pkt. 10c.

★RUST PROOF UNIV. OF CALIFORNIA STRAIN MIXED. 75 per cent rustproof. Invaluable where rust prevails. Pkt. 10c.

AQUILEGIA (*Columbine*)

Mrs. Scott Elliott's Hybrids. Perennial. There is no better mixture grown. These flowers have taken the highest awards at all the European exhibitions. Wonderful colors with very long-spurred flowers. Pkt. 25c.

Long Spurred, Mixed. Perennial. Exquisite flowers with extra long spurs. Pkt. 10c.

ARABIS

Alpina (*Rockcress*). Perennial. Spreading tufts of a sheet of white flowers as soon as the snow disappears; fine for rockery. 6 in. Pkt. 10c.



Snapdragon



Aster, Crego's Giant Comet

ARCTOTIS (*African Lilac Daisy*)

Grandis (Bearsar). A beautiful annual forming a bushy clump. 2 to 2½ ft. high. Flowers lavender white. 2½ in. diameter. Pkt. 10c.

ASTERS

Asters are the most popular annual flower both in the garden and as cut flowers.

CREGO'S GIANT BRANCHING COMET

White	Crimson	Dark Purple, or Blue
Shell Pink	Deep Rose	Light Blue or Lavender
	Mixed	

Any of above, pkt. 10c. each

AMERICAN BRANCHING (Wilt-Resistant).

White	Rose-pink	Shell Pink
Lavender or Light Blue	Crimson	Mixed
Purple or Dark Blue.		

Any of above, pkt. 10c.

GIANT CALIFORNIA SUNSHINE ASTERS. A most attractive Anemone-flowered variety of special value for cutting with a wonderful array of dainty colors covering all the color tones usual to the Aster.

Mixture containing all colors. Pkt. 15c.

ASTER alpinus. A very dwarf variety with large, bluish purple, Daisylike flowers. May and June. Pkt. 25c.

★SUPER GIANT "EL MONTE." Special mention for 1936 from "All American" council. This is a huge, deep, glowing crimson with fluffy, interlaced petals. Pkt. 10c.

★SUPER-GIANT "LOS ANGELES." Received Award of merit from All American Selection Committee for 1934. Exceptional large flowers of a pure shell-pink, borne on very strong, 3-ft. stems. Pkt. 10c.

MICHAELMAS DAISY. Mixture of newest varieties of Daisy-like flowers. Pkt. 10c.

BALLOONVINE (*Love-in-a-puff*)

Annual. Climber; white flowers; seed vessel like small balloon. Pkt. 10c.

BALSAM (*Ladyslipper*)

Camellia-flowered Mixed. An old favorite, producing a profusion of brilliant colored, double flowers. Pkt. 10c.

BALSAMAPPLE

See **MOMORDICA**, page 8.

BELLIS (*English Daisy*)

These are favorite perennials; seed may be sown any time from Spring till August, transplanted in the Fall and protected during the Winter, they will flower the following Spring.

Perennis, Monstrosa, Double Mixed. Pkt. 10c.



Calliopsis, Golden Crown

BRACHYCOME (*Swan-river-daisy*)

Iberidifolia Mixed. Annual. Free flowering, dwarf growing, suitable for edging, producing blue and white flowers. Pkt. 10c.

BROWALLIA

A fine bedding plant of free growth, blooming during Summer and Autumn—flowers blue and white—plants 1 ft. high. **Elata Mixed.** Pkt. 10c.

CALENDULA (*Pot-marigold*)

A most popular annual; very showy, grows in any kind of soil; makes a fine effect in mixed beds or borders; a good potting flower.

★**Orange Shaggy.** Distinct new Calendula with very shaggy appearance, color intense orange, shading to lighter orange. Pkt. 10c.

★**Campfire.** Dark orange scarlet sheen. Pkt. 10c.

★**Sunshine Chrysantha.** Buttercup yellow. Pkt. 10c.

Orange King. Large double orange. Pkt. 10c.

Lemon Queen. Large sulphur yellow. Pkt. 10c.

Large Double, Finest Mixed. Pkt. 5c.

CALLIOPSIS (*Golden Ray*)

Annual. Dwarf, compact plants covered with flowers of rich maroon, edged with golden yellow, good cut flowers.

Bicolor Semi-double, Mixed. Pkt. 10c.

★**Golden Crown.** Award of Merit for 1938. Large, rich orange-yellow or gold flowers with a pleasing fragrance on 12-in. wiry stems. Ideal for cutting. Pkt. 25c.

CAMPANULA, or CANTERBURY-BELL

Medium (*Canterbury-bells*). Biennial. Beautiful, bell-shaped flowers in great profusion.

Medium, Single Mixed. Pkt. 10c.

Medium, Double Mixed. Pkt. 10c.

Calycanthema (Cup-and-saucer) Mixed. Pkt. 10c.

★**Annual, Mixed.** Pkt. 10c.

Pyramidalis (*The Chimney Bellflower*). Perennial. Blue. Pkt. 10c.

Carpatia. Perennial. Blue. Pkt. 10c

CANDYTUFT (*Iberis*)

Annual. A profusely blooming, easily cultivated plant, 12 to 15 inches high. The fragrant flowers are very desirable for borders, beds, rockeries and for cutting. They bloom all season.

Crimson Lilac Pink White Mixed
Each, pkt. 10c.

Coronaria Mixed. Annual Hyacinth Flowered. Pkt. 10c.

CANDYTUFT, HARDY (*Iberis sempervirens*). White. 1 ft. Ideal for rock gardens. Pkt. 10c.

CARNATIONS

Giant Marguerite Carnations. These are deservedly the most popular Carnations with the amateur, as they begin flowering in a few weeks from time of sowing. With slight protection they will survive an ordinary Winter and bloom freely the following Spring. 18 in. Pkt. 10c.

Chabaud's Giant Double Mixed. Very fine for cut flowers. Pkt. 10c.

CANARY BIRD VINE

Annual. Rapidly growing vine, bearing beautiful yellow flowers. Pkt. 10c.

CARDINAL CLIMBER CYPRESS

Ipomoea Quamoclit. Annual. Has fine foliage, grows rapidly, bears red trumpet flowers. Pkt. 10c.

CELOSIA (*Cockscomb*)

Cristata, Mixed Colors. Annual. Pkt. 10c.

Red Empress. Annual. Rich crimson combs of colossal proportions. Pkt. 10c.

Plumosa, Mixed. Annual. Very attractive, silky, plumelike flower in mixed colors. Crimson, yellow and pink. 2 ft. Pkt. 10c.

Childsi Mixed (Chinese Woolflower). Pkt. 10c.

CENTAUREA

Very useful and free flowering annuals of great diversity almost indispensable in the garden for cut flowers.

Cyanus (*Bachelor Button, Cornflower, Ragged Sailor*). This type of Centaurea is well known and no garden is complete without it.

Double Blue. Pkt. 10c.

Double Mixed. Pkt. 5c.

★**Jubilee Gem.** This is of recent introduction and is dwarf and very compact. Pkt. 15c.

Imperialis (*Royal Sweet-sultan*). These charming, thistlelike flowers are borne on long, strong stems and are excellent for cutting. They keep fresh for a long time and are very fragrant.

Mixed. Pkt. 10c.

Suaveolens (*Yellow Sweet-sultan*). Very much like *C. imperialis*, but generally smaller flowers and plant. Blooms rich golden yellow. Pkt. 10c.

CHRYSANTHEMUM

Single Mixed Colors. Annual. Producing flowers of many colors. Pkt. 10c.

COBAEA

Scandens. Annual. Rapid growing climber with attractive foliage, producing large, bell-shaped flowers, which turn a beautiful deep violet-blue. Grows 25-30 ft. high. Pkt. 10c.

COLEUS (*Flame Nettle*)

Hybridus Mixed. This is a selected mixture of fine, highly colored hybrid varieties. Pkt. 15c.



Candytuft (Iberis Coronaria)



Coreopsis, Double Sunburst

CONVOLVULUS

See **MORNING-GLORY**, page 8.

COREOPSIS

Lanceolata grandiflora (California Sunbeam). Perennial. 1½ to 2 ft. high. Large. Daisylike yellow flowers, excellent for cutting; graceful habit. The more it is cut, the more it blooms. Pkt. 10c.

★**Double Sunburst.** Beautiful double flowers, 2 in. across. This is a welcome change from the familiar single type. Pkt. 20c.

COSMOS

Annual. One of the finest Autumn blooming plants with attractive, feathery foliage and bright Daisylike flowers. It is most effective when planted in broad masses along background borders against evergreens or fences. The flowers are borne in great profusion.

EXTRA EARLY MAMMOTH FLOWERING. Plants 4 ft. high; blooms from July until cut down by frost.

White, Crimson, Pink. Each, pkt. 10c.

Mixed. Pkt. 5c.

EXTRA EARLY DOUBLE CRESTED. The flowers are large, with full, double centers and an outer row of broad ray petals. The best for cut flowers, blooming from July until frost.

Mixed Colors. Pkt. 10c.

LATE MAMMOTH FLOWERING TALL.

Mixed. Pkt. 5c.

★**Klondyke Orange Flare.** Large, golden yellow flowers, 2½ to 3½ in. in diameter. These plants must be started very early to get them to bloom before frost. Pkt. 10c.

CYNOGLOSSUM

Amabile (Chinese Forget-me-not). An annual of easy culture producing sprays of intense blue Forget-me-not flowers which are very fragrant. Pkt. 5c.

CYPRESSVINE (*Ipomoea quamoclit*)

Quamoclit Mixed. This vine grows rapidly, having a fern-like foliage and bears a mass of beautiful, star-shaped flowers. Pkt. 5c.

DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises.

Hybrid Show, Double Choice Selection. Pkt. 10c.

Unwin's Dwarf Hybrids. These are the best of the ever increasing popular dwarf Dahlias, require no stakes. Plant 18 inches apart; average 18 to 24 in. in height. Easier to raise than Asters or Stocks, blooming in four months from seed, they embrace a most charming and wide range of color. Mainly semi-double flowers. Pkt. 10c.

Coltness Mignon Strain, Single Mixed. 2½ ft., excellent color range. Pkt. 10c.

DELPHINIUM (*Perennial Larkspur*)

Belladonna Improved (Cliveden Beauty). Turquoise blue. Pkt. 20c.

Bellamosum Improved. Rich deep blue. Pkt. 20c.

Chinensis Mixed. Feathered foliage; 2 ft. Pkt. 10c.

Special Wrexham Strain (English Hybrids). Choice colors. Pkt. 25c.

Gold Medal Hybrids Mixed. Pkt. 10c.

DIANTHUS (*Pink*)

★**Laciniatus splendens.** Perennial. Special Mention of All-American Committee. Most striking we have ever seen. Brilliant crimson with white eye. Pkt. 10c.

Chinese Double Mixed. Annual. Colors varying from rich, velvety crimson to most delicate rose. Pkt. 5c.

Japanese (Heddewigi Double). Annual. Beautifully colored, single pink, free bloomer. Mixed colors. Pkt. 10c.

Plumarius semperflorens, or Clove Pinks. Perennial. 12-14 in. Best for borders. Pkt. 10c.

DIDISCUS

Coeruleus (Blue Laceflower). Pretty annual; blooms profusely. Exquisite lavender blossoms are excellent for cutting. Pkt. 10c.

DIGITALIS (*Foxglove*)

Perennial. Flowers produced on long stems, making a very beautiful plant in the garden.

NEW GIANT SHIRLEY. The finest strain of Foxgloves Pkt. 10c.

Hybrid Mixed Colors. Pkt. 10c.

GLOXINIAEFLORA

Mixed. Pkt. 10c.

DIMORPHOTHECA (*African Golden Daisy*)

Aurantiaca Hybrids Mixed. Annual. Plants 12 to 15 in. high; flowers 2½ in. across; orange gold. Pkt. 10c.

DOLICHOS (*Hyacinth-bean*)

Climber; grows 10 feet; flowers freely in erect racemes and produces ornamental seed pods.

Mixed. Pkt. 10c.



Dimorphotheca aurantiaca Hybrids



Gypsophila,
(Babysbreath)



Helianthus, Double
Chrysanthemum-
flowered

ESCHSCHOLTZIA (*California-poppy, Gold Cups*)

This beautiful and brilliant annual has been greatly improved in recent years and we now have many beautiful and unusual colors.

Californica Choice Mixture. Pkt. 5c.

EUPHORBIA

Variegata (*Snow-on-the-mountain*). Annual. Attractive foliage striped with white. Pkt. 10c.

Heterophylla (*Annual Summer Poinsettia*). With bright, variegated leaves. Easy to grow from seed in sunny gardens or in pots indoors. 2 to 3 ft. high. Pkt. 10c.

EVENING-PRIMROSE (*Oenothera*)

Lamarckiana. A beautiful biennial with showy, large, rich, lemon yellow blooms from June to September. 2 ft. high. Pkt. 10c.

GAILLARDIA

Grandiflora (*Mexican Blanketflower*). A hardy perennial easily cultivated and very satisfactory for mixed borders and cutting. They bloom throughout the entire season. Pkt. 10c.

Picta (*Blanketflower*). Annual. Has very showy flowers, blooming in great profusion. Mixed colors. Pkt. 10c.

GERBERA (*Transvaal Daisy*)

★**New Giant Hybrids Mixed.** Tender Perennial. Daisylike flower. Splendid for cutting. Brilliant coloring. Pkt. 25c.

GEUM

Perennial. Double crimson flower. Beautiful Summer bloomer.

Mrs. Bradshaw. Pkt. 10c.

GODETIA

Double Dwarf Azalea Flowered, Mixed. Bush annual, with large, showy flowers of rich coloring. Pkt. 10c.

GOMPHRENA (*Globe Amaranth*)

Annual. This is a first rate bedding plant; the flowers can be dried and used in Winter bouquets as a Strawflower. Mixed. Pkt. 5c.

GOURD (*Cucurbita*)

Ornamental Mixed. Annual climber. 10 to 20 feet with ornamental foliage and peculiar mixed fruits. Pkt. 10c.

GYPSOPHILA (*Babysbreath*)

It bears large panicles of misty white flowers which are very suitable for mixing with other flowers. Pkt. 10c.

Elegans grandiflora alba. Annual. Pkt. 10c.

Paniculata, Single White. Perennial. Pkt. 10c.

HELIANTHUS (*Hardy Sunflower*)

Stella. Hardy grower, with large golden flowers in Autumn. Pkt. 10c.

Double Chrysanthemum Mixed. Pkt. 5c.

HELICHRYSUM (*Straw- or Eternalflower*)

Monstrosum, Mixed. Annual. These are the best flowers for drying, are also very pretty in the garden. Pkt. 10c.

HELIOTROPE (*Cherry Pie*)

A perennial known to everyone, having a most delightful perfume.

Arborescens, Mixed. Pkt. 15c.

HEUCHERA (*Coralbell*)

Sanguinea splendens. Perennial. Beautiful vermilion red. Pkt. 10c.

HIBISCUS (*Marshmallow*)

Giant Mixed. Perennial. It has a large-sized, beautifully colored flower and is very suitable for mixed beds. Pkt. 10c.

HOLLYHOCK

This perennial is unsurpassed for a background; it has beautiful long spikes bearing large, gorgeous flowers.

Single Mixed. Pkt. 5c.

Double Mixed. Pkt. 10c.

HUMULUS

Japonicus (*Japanese Hop*). A beautiful, fast growing climber, resembling the Hop vine. Pkt. 10c.

★HUNNEMANNIA

Semi-Double Sunlite. Annual. Award of Merit. This double-flowered Poppy is bright canary yellow, which will do well in a sunny position. Pkt. 15c.

IPOMOEA

See **MOONFLOWER**, page 8.

KOCHIA (*Fire Bush or Summer Cypress*)

Childsi. Hardy Annual. Green foliage which turns red in the Fall. Pkt. 5c.

KUDZU-VINE (*Pueraria*)

Thunbergiana. Perennial vine growing 8-10 ft. the first season. Established, will grow to 40-50 ft. a year. Large, heart-shaped leaves. Seldom blooms north of Washington. Pkt. 10c.

LANTANA

Annual. Very desirable sun loving bedding plants of dwarf, bushy, spreading habit.

Hybrids, Mixed Colors. Pkt. 10c.

LARKSPUR, ANNUAL (*Giant Imperial*)

The Annual Larkspurs have been gaining in popularity each year, due to the ease with which they may be grown, their earliness to commence flowering and increasing range of colors.

Miss California, pink, shaded salmon

Daintiness, delicate lavender

★**Blue Bell,** clear light blue

White Spire

Scarlet Spire

Blue Spire, dark blue

Peachblossom

Mixed Giant Imperial

Each of the above, pkt. 10c.

LATHYRUS (*Hardy Sweet Peas*)

Latifolius, Mixed Colors. Pkt. 10c.

LIATRIS (*Gayfeather*)

Pycnostachya. Rich purple flowers on a tall spike 3 to 4 ft. high are oddly conspicuous. Midsummer bloomer and lasts well. Pkt. 10c.

LINARIA

Maroccana (*Toadflax*). Dainty annual, easy to grow, small spikes of miniature Snapdragon-like flowers in rose, yellow, pink, lavender, red, etc. Grows 1 ½ ft. Pkt. 10c.

LINUM (*Perennial Flax*)

Perenne. Perennial. Large, rich blue flowers. Pkt. 10c.

LOBELIA

Compacta, Mixed. Annual rock plant, 6 in. high, of various colors. Pkt. 10c.

LUNARIA (*Honesty or Penny Plant*)

Showy annual making ideal dried Winter flower.

Biennis alba. Pkt. 10c.

LUPINUS (*Hartwegi*)

Free flowering annual with long, graceful spikes of rich and various colored, pea-shaped flowers. Valuable for mixed borders. 2 feet.

Hartwegi, Mixed. Each, pkt. 10c.

Polyphyllus, Mixed. Perennial. Pkt. 10c.

LYCHNIS

Chalcedonica. Perennial. 2 ft. Broad head of star-shaped, scarlet flower. Pkt. 10c.

MARIGOLD

The various classes of Marigolds include many exceedingly bright and attractive flowers and in Autumn when other bedding plants are past their prime, they afford a wealth of color that is simply invaluable. The African varieties produce large, self-colored blooms on tall plants; the French are smaller, but the colors and markings are intensely interesting, some elegantly striped and spotted.

Guinea Gold. New brilliant orange. Pkt. 10c.

★**Dixie Sunshine.** Award of Merit for 1936. Ball-shaped flowers, giving an appearance of a Chrysanthemum. Plants are strong-stemmed and tall. Plant early. Pkt. 10c.

★**Crown of Gold.** (Gold Medal winner.) The first known Marigold with odorless foliage. Flower centers are of short curled quilled petals with a collar of flat guard petals on the outside. The color is orange; 2 1/2 in. Flowers fragrant, in plentiful supply. Pkt. 15c.

★**Dwarf Royal Scott.** (Award of Merit.) Dwarf French type, 12 to 15 in. tall; large and rather flat flowers, brown and gold irregularly striped. Flowers are double and long blooming. Pkt. 15c.

★**Yellow Supreme Sweet Scented.** (All American Selection for 1935.) Large, lemon-yellow, Carnation flowered, deliciously sweet scented. Pkt. 10c.

DOUBLE AFRICAN VARIETIES

Giant Lemon Ball. Enormous flowers of perfect shape, freely produced. Height 2 1/2 ft. Pkt. 10c.

Giant Orange Ball. A darker form of the above variety—rich golden yellow. Pkt. 10c.

Giant Mixture. Pkt. 5c.

FRENCH VARIETIES

Legion of Honor. Little Brownie. A single flowering Marigold, forming compact bushes about 9 in. high. The flowers are bright golden yellow, marked with a large blotch of velvety crimson at the base of each petal. Pkt. 10c.

Dwarf Double, Mixed. Extremely effective for beds and borders. Pkt. 10c.

★**Tagetes Signata Pumila, "Little Giant."** Commonly known as the Mexican Marigold. Plants 4 to 6 in. tall and spread of 8 to 10 in., covered with small, single orange flowers, with darker orange center. Best for edging walks. Pkt. 10c.

MARVEL OF PERU (*Mirabilis*, or *Four-o'clock*)

This is a handsome, well known old flower which does well everywhere.

Mixed. Pkt. 5c.

MATRICARIA

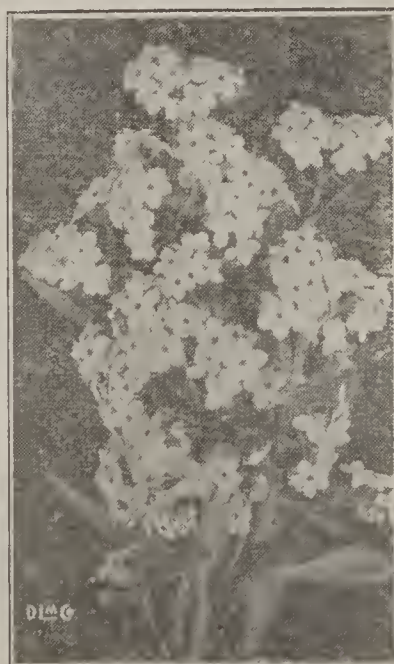
Capensis (*Feverfew*). Annual, blooming from June to October, producing double, buttonlike white flowers. 2 ft. high. Pkt. 10c.

MATTHIOLA

Bicornis (*Evening-scented Stock*). An old-fashioned easily grown annual, suitable for edging, bedding, pot culture and cutting. The flowers are a purplish lilac and very fragrant at night. Pkt. 10c.



Mignonette
Golden Yellow



Myosotis
alpestris



Marigold, Crown of Gold

MIGNONETTE (*Reseda*)

Odorata. No garden is complete without it, for its sweet fragrance is very pleasing. Pkt. 5c.

Allen's Defiance. Pkt. 10c.

Golden Yellow. Pkt. 10c.

MOMORDICA (*Balsamapple*)

Climbing ornamental foliage. Fruit yellow warted when ripe; opens showing the seed and its brilliant carmine interior. Fine vine for trellis or rockery. Pkt. 10c.

MOONFLOWER (*Ipomoea grandiflora*)

Mexicana grandiflora alba. Bearing large, gorgeous white flowers which open in the evening and close with the coming of morning. The plant is a very rapid climber. Pkt. 10c.

MORNING GLORY (*Ipomoea*)

Convolvulus major (*Morning-glory*). Annual. This is the climber, and is one of the most free growing and blooming plants under cultivation. Pkt. 5c.

Convolvulus minor. Annual. This is the dwarf Morning-glory which bears a profuse abundance of large, richly colored flowers. Pkt. 5c.

Giant Imperial, Japanese Mixed. These are by far the handsomest Morning-glory, having magnificent large flowers with colorings beyond description. Pkt. 10c.

Improved Heavenly Blue. New. Deep blue. Pkt. 10c.

MYOSOTIS (*Forget-me-not*)

Half-hardy Perennial. One of the most admired Spring plants, bearing the well known little blue flowers.

Alpestris, mixed. The well known Forget-me-not in shades of blue, pink and also white. May and June and a scattering of bloom throughout the season. Pkt. 10c.

Palustris semperflorens. Everblooming variety from May until Autumn. Clear blue sprays. Pkt. 10c.

NASTURTIUMS

For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position and from within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms. The varieties offered below are the best selected from many sorts.

★**Scarlet Gleam.** New. Scarlet, sweet-scented, double; immense flowers. Semi-dwarf plants. Pkt. 10c.

★**Glorious Gleam.** Double Hybrids. Wide assortment of colors; sweet scented. Pkt. 10c.

Golden Gleam. New, double, sweet-scented yellowflower. Pkt. 10c.

TOM THUMB, DWARF OR BEDDING VARIETIES

Mixed Colors. Pkt. 10c., oz. 15c., 1/4 lb. 35c., lb. \$1.00.

TALL OR CLIMBING VARIETIES

Mixed Colors. Pkt. 5c., oz. 10c., 1/4 lb. 25c., lb. 90c.



Nicotiana

NEMESIA

Nana compacta Triumph, Mixed. Annual with orchid-like flowers in many colors. Pkt. 15c.

NICOTIANA (Tobacco or Tobacco Flower)

Affinis Hybrids, Mixed. Annual, with tubular flowers, blooming continually; sweet scented. Pkt. 5c.

NIGELLA (Love-in-a-Mist)

Damascena, Miss Jekyll. Annual. Has finely cut foliage with peculiar flowers of Cornflower blue shade. Pkt. 10c.

PENTSTEMON (Beardtongue)

New Sensation, Mixed. Perennial. A very hardy border plant, ranking with the best of bedding plants. Pkt. 15c.

PANSIES

Everyone loves Pansies and no flower responds more quickly to careful attention. It should be the desire of every gardener to grow large Pansies with long, strong stems in a wide range of colors. For best results, Pansies should be sown in July or August for early Spring bloom and in the Spring for Autumn bloom.

FRENCH GIANT TRIMARDEAU MIXTURE. This variety produces the largest flower. Pkt. 10c.

ALL GIANTS MIXED. An excellent large flowering strain at a very fair price. Pkt. 10c.

FINE BEDDING MIXED. Though the flowers are not as large as some, plants are in bloom over a longer period than any other strain we know. Pkt. 5c.

PETUNIAS

Sow seed lightly and gently press into the soil. Transplant when large enough, being careful to save even the smallest seedlings, for oftentimes the smallest, frailest seedlings produce the finest blooms. Petunias delight in a sunny position.

Single Ruffled Giant. A ruffled single Petunia of exceptionally beautiful form and colors, extraordinary size and substance. Our strain is a well blended mixture of all colors including pink and those varieties with richly colored throats and veinings. All are beautifully fringed and ruffled. Pkt. 25c.

Fringed Double Giants. A mixture of the best large flowering, fringed, double Petunias. Some are 5 in. across, fluted, frilled and ruffled in bewildering beauty. Pkt. 25c.

Balcony Blue. A splendid, free flowering type, either for bedding or window boxes, vases, hanging baskets, etc. Rich indigo blue. Pkt. 15c.

Balcony Flowering Mixed. Pkt. 15c.

Elks Pride. A large flowering, rich velvety purple blue variety. Pkt. 25c.

Rosy Morn. Soft crimson pink with white throat. Pkt. 15c.

★**Flaming Velvet.** All American Gold Medal, 1936. Rich, velvety blood-red. Pkt. 25c.

Alba. Pure satin white flowers. Pkt. 10c.

Hybrid Single Mixed Colors. Pkt. 5c.

★**Nana compacta, Mixed.** Plants 8 to 10 in. high; large flowers in wide range of colors. Pkt. 15c.

★**"Dainty Lady."** Award of Merit for 1936. Really first yellow Petunia, free-flowering, fringed and compact. Pkt. 25c.

★**Nana compacta, "Martha Washington."** A new, very pleasing variety of very compact, dwarf plants with striking colored flowers. Pkt. 15c.

Rose of Heaven. Dwarf rose-pink. Pkt. 15c.

PHLOX

DRUMMONDI GRANDIFLORA. Annual. This popular plant will grow in any soil provided it is given sun. Flowers all Summer.

Isabellina
Atroviolacea
Mixed Colors.

Chamois Rose
Splendens

All, pkt. 10c. each

NANA COMPACTA, Mixed. Fine mixture of dwarf types. Pkt. 10c.

★**GIGANTEA ART SHADES, Mixed.** Award of Merit, 1935. Pkt. 10c.

CUSPIDATA, Mixed (Star of Quedlinburg). Perfect, star-shaped flowers. 12 in. tall. Pkt. 10c.

DECUSSATA. Perennial. Pkt. 10c.
Mixed Colors. Pkt. 10c.

PHYSALIS

Francheti (Chinese Lantern Plant). Hardy Perennial. Bushy, 2 ft. high, producing freely bright scarlet lantern or balloon which can be cut and dried for Winter bouquets. Very interesting. Pkt. 10c.

POLYANTHUS

Vulgaris (English Primrose or Cowslip). Perennial. Various colors from white to crimson. **Mixed.** Pkt. 10c.

POPPY (Papaver)

ANNUAL VARIETIES -

Shirley. This is the best of all single Poppies, making a magnificent profusion of color in the garden. Pkt. 5c.

Double Shirley. Pkt. 10c.

Carnation-flowered Mixed. Very fine mixture that produces large, double, fringed flowers. Pkt. 5c.

PERENNIAL VARIETIES

Iceland, or Nudicaule Mixed. These are very suitable for cutting bloom first season. Should be picked when in bud; foliage fernlike. Pkt. 10c.

Oriental. Large, single, scarlet flowers, blotched with black at the base of each petal. Height 2½ to 3 ft. Pkt. 10c.

Oriental Hybrids. A mixture of beautiful named varieties in many shades. Pkt. 10c.

PORTULACA grandiflora (Sunplant)

Annual. A beautiful plant for massing in beds or in rock work, producing a riot of color.

Double Flower Mixed. Pkt. 10c.

Single Mixed. Pkt. 10c.

PHYSOSTEGIA

Virginica (False-dragonhead). Perennial. Excellent for edging around evergreens. Pink. Pkt. 10c.

PRIMROSE (English)

See **POLYANTHUS.**

PYRETHRUM

Double Single Mixed. Perennial. Daisylike flower in various colors. Summer bloomer. Pkt. 10c.



Portulaca, Single Mixed

RICINUS (*Castor-oil-bean*)

Annual. Fine for center of bed or massing; it is of stately growth, bearing beautiful fruit and foliage. Pkt. 10c.

RUDBECKIA (*Cone Flower*)

Bicolor superba. Annual. Golden yellow. Pkt. 10c.

SALPIGLOSSIS (*Painted Tongue*)

An exceedingly attractive, half hardy annual, with large, veined, funnel-shaped flowers which are highly ornamental in beds and borders and much prized for cutting. A bed of these beautiful plants is one of the most striking features of the garden during July and August.

Grandiflora Mixed. Pkt. 10c.

SALVIA

Dwarf Bonfire. One of the finest Scarlet Sages. It is about 2 ft. high and its brilliant red spikes are borne above the dark green foliage, completely covering the plant. Pkt. 10c.

Splendens (*Scarlet Sage*). One of the most brilliant garden flowers and extremely useful for bedding, hedging or borders. Pkt. 10c.

Farinacea (*Blue Sage*). Perennial. Blue in color and wonderful for a border. Pkt. 10c.

Patens. A tender perennial for the border. Has extra large flowers of ultramarine blue color. 2 ft. high. Pkt. 10c.

SCABIOSA (*Mourning Bride or Egyptian Rose*)

Annual. An excellent cut flower, therefore no garden is complete without it.

Ageratum. Blue **Fire King.** Scarlet **Peach Blossom Loveliness.** Rose **Shasta.** White
Pkts. each, 10c.

Mixed Colors. Pkt. 10c.

Caucasica Hybrids. Perennial. Of great value in the hardy border for cutting. Beautiful lilac blue. Pkt. 15c.

SCHIZANTHUS (*Butterfly- or Fringe-flower*)

Annual. It bears very dainty flowers, which are Orchidlike and almost obscure the foliage, so densely are they borne.

Dr. Badger's Mixed Hybrids. Pkt. 15c.

SHASTA DAISY (*Chrysanthemum Leucanthemum*)

Perennial. This is a special selection of Hybrid Daisies bearing a flower of large size which makes it desirable for cutting. Pkt. 10c.

STATICE

Sinuata, Mixed. This annual Statice is extensively used in making Winter bouquets. Pkt. 10c.

Incana, Mixed. Perennial, and is splendid for the border or rockery, producing all Summer. Pkt. 10c.

STOKESIA

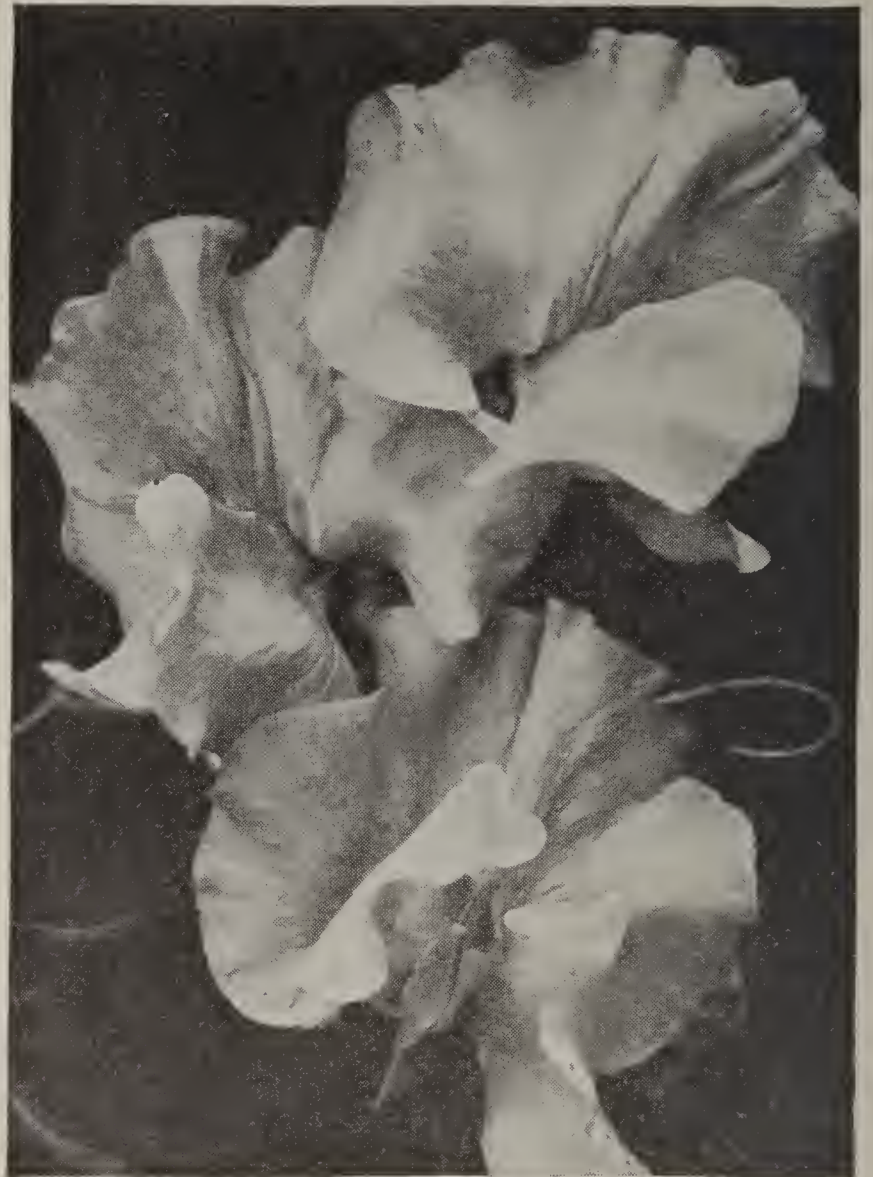
Cyanea (*Cornflower Aster*). Large blue or white flowers about 1 to 1½ ft. high, leaves close to ground, thick and shiny. Pkt. 10c.

STRAWFLOWER

See **HELICHRYSUM**, page 7.



Statice sinuata



Ribsam's Giant Flowering Spencer Sweet Peas

RIBSAM'S GIANT FLOWERING SPENCER SWEET PEAS

Culture—Early planting is necessary to raise the best Sweet Peas, as it gives the plants opportunity to develop deep root systems to sustain them during the hot days. As soon as the frost is out of the ground in the Spring and the soil is in a workable condition, sow the seed in drills 2 to 3 inches deep and 1 inch apart. Thin out the plants so they will stand 4 to 6 inches apart. Some enthusiasts dig trenches 2 feet wide by 2 feet deep and fill in with rich soil heavily fertilized with rotten manure and leafmold. Water, lime and steady cultivation are essential. When the young plants produce tendrils, support them with chicken wire, sticks, or string. Sweet Peas are heavy feeders—liquid manure applied once a week will be beneficial. Keep the seed pods picked off in order to lengthen the season of bloom and produce large, fine flowers. Sweet Peas may also be sown in the Autumn, covering the bed with a heavy mulch over Winter, removing it very early before the frost is entirely out of the ground.

Avalanche. Glistening white of great substance.

Chieftain. Deep rich crimson.

Crimson King. Pure satiny mauve.

Huntsman. Bright scarlet.

Gleneagles. Splendid large lavender.

Olympia. Large rich purple flowers of beautiful form.

Pinkie. Bright rose pink.

What-joy. Primrose yellow.

Youth. White edge, soft rose pink.

Any of above, pkt. 10c., oz. 20c., ¼ lb. 60c., 1b. \$2.00.

SUPERB MIXTURE GIANT FLOWERING SPENCER SWEET PEAS

This mixture contains the choicest named varieties blended in the proper proportions to insure a well balanced color effect. Pkt. 10c., oz. 15c., ¼ lb. 35c., 1b. \$1.00.

SUNFLOWER (*Helianthus*)

Stella. Annual. This is a mixture of the miniature Sunflower of golden yellow flowers. Pkt. 10c.

Double Chrysanthemum Flowered, Mixed. Pkt. 5c.

STOCK, GIANT PERFECTION

(*Gilliflower*)

Annual. The Stock is a very popular annual because of its variety of color and its adaptation as a bedding and pot plant.

Imperial Mixed. Pkt. 10c.

Ten-week Flowering Mixed. Pkt. 10c.

Perpetual Branching, Mixed. (Cut-and-come-again.) Pkt. 10c.

SWEET ROCKET (*Hesperis*)

Matronalis, Mixed. Perennial, with delightful fragrance in the evening. Flowers resemble single Stocks. 18 in. spikes of purple and white flowers. Pkt. 10c.

SWEET-WILLIAM (Perennial)

(*Dianthus barbatus*)

An old favorite, hardy garden plant of easy culture, thriving in any good garden soil and lasting for years. Our strains produce large heads of fragrant flowers in a great variety of beautiful colors. The plants form large clumps and grow about 1 foot high.

Single Mixed. Pkt. 10c.

Double Mixed. Pkt. 10c.

THUNBERGIA (*Black-eyed-susan*)

Elata, Mixed. Annual. A beautiful, rapid growing climber; does well in hanging baskets, prefers a warm, sunny place. Pkt. 10c.

TITHONIA

Speciosa (Mexican Sunflower). Though really a perennial, this plant is best started indoors in the northern States and treated as an annual. Ideal for the background; flowers are a huge dazzling orange-scarlet, 3 to 4 in. across and resembles a single Zinnia. 5 ft. tall. Pkt. 15c.

TRITOMA (*Red Hot Poker*)

Hybrida. Perennial. Resembling orange spearheads. Pkt. 10c.

VALERIANA

Perennial. 2 feet. Red and white flower. Fine for bouquets. Pkt. 10c.

VERBENAS, MAMMOTH FLOWERING

Annual. A magnificent strain of free blooming Verbenas of robust, compact habit. The flower heads are immense, the individual florets measuring an inch in diameter.

Gigantea Choice Mixed. Pkt. 5c.

VERONICA (*Speedwell*)

Spicata. Elegant hardy border plant about 1½ feet high, producing long spikes of bright blue flowers during June and July. Pkt. 10c.



Sweet Rocket (*Hesperis matronalis*)

VENIDIUM (*Monarch of the Veldt*)

★**Fastuosum Hybrids.** Annual. 2-3 ft. Daisylike flowers, 4-5 in. across. Sow in March or April. Foliage silky gray. Pkt. 25c.

VIOLAS (Biennial)

Cornuta Mixed. Good mixture. Pkt. 15c.

WALLFLOWER

It is an early Spring bloomer, bearing beautiful flowers.

Single Perennial Mixed. Pkt. 10c.

ZINNIAS (Annual)

One of the most popular annuals for beds, mixed borders and cutting purposes. The Zinnia blooms constantly from July until frost and does well in most any soil. To secure the largest flowers and a profusion of bloom the plants must be given plenty of room for full development and an abundance of plant food.

GIANT DAHLIA-FLOWERED ZINNIAS. The plants are sturdy and the flowers often measuring 6 in. in diameter and 4 in. in depth.

Polar Bear. Large, pure white.

Canary Bird. Delicate primrose.

Old Rose.

Exquisite. Light rose.

Crimson Monarch. Largest red.

Dream. Deep lavender.

★**Golden Dawn.** Golden yellow.

Purple Prince. Deep purple.

★**Scarlet Flame.**

Any of the above colors, each, pkt. 10c.

DAHLIA FLOWERED

Mixed. Pkt. 10c.

★**FANTASY, Mixed.** All American for 1935. Shaggy, raylike petals. Excellent for cutting. Pkt. 10c.

LILLIPUT. Of compact habit, not over 15 in. high, covered with small, very double flowers. Good for bedding and cutting.

Canary Yellow, Purple Gem, Scarlet Gem. Pkt. 10c.

Mixed. Pkt. 10c.

★**NAVAJO** (New). Gaillardialike blooms, 2 in. in diameter, with a wide color range. 2 ft. high. Pkt. 25c.

TOM THUMB. Dwarf, small, buttonlike flowers. **Mixed.** Pkt. 10c.

DOUBLE GIANT. Large, brilliant colored flowers. **Mixed.** Pkt. 5c.

★**HAAGEANA, Mexicana Hybrids, Double Mixed.** Small flowered, strong stems, excellent for arrangement in bowls. Pkt. 10c.



Venidium

HARDY PERENNIAL PLANTS

We have listed a collection which will give you blossoms from early Spring until late Fall. However, we can supply many other varieties. *Send us your list.*

Rock gardens are yearly increasing in popularity, as rockery building is a fascinating pastime and if one has only a few square yards of ground this will be found sufficient to grow quite a variety of plants, affording a great deal of pleasure in caring for them and watching the rockery develop.

All varieties listed on following pages are 25c. each, \$2.50 per doz.

**The asterisk marks those plants best adapted to Rock Gardening*

ACONITUM (*Monkshood*)

fischeri. A dwarf variety growing 18 in. high with large, hooded blue flowers in September and October. Does well in semi-shade.

ALYSSUM (*Madwort*)

***saxatile compactum** (*Basket of Gold*). Produces masses of broad, flat heads of bright yellow flowers in May. Attractive gray foliage.

ANCHUSA (*Alkanet*)

italica. Showy dark blue flowers. Coarse foliage, about 4 ft. high and blooming in May and June.

***myosotidiflora** (*Forget-me-not Flowered*). An entirely different and distinctly dwarf species growing about 12 in. high and producing during April and May sprays of beautiful Forget-me-notlike flowers of a rich blue.

ANTHEMIS (*Marguerite*)

tinctoria. Beautiful yellow Daisylike flower with very attractive, finely cut foliage. A rapid grower about 3 ft. high, blooming nearly all Summer and especially fine for cutting.

AQUILEGIA (*Columbine*)

Mrs. Scott Elliott. Mixed colors of all the pastel shades, growing from 18 in. to 3 ft. high. These beautiful flowers have a fairy grace all their own and bloom in late Spring and early Summer. Foliage attractive throughout the entire season.

ARABIS (*Rockcress*)

***alpina.** A very showy white; May flowering creeper. 9 in. April.

ARMERIA (*Thrift, Sea Pink*)

Compact tufts, grasslike foliage, blooming in May and June. Has globular heads of shades in pink and also white flowers.

ASTER (*Starwort or Michaelmas Daisy*)

3½ to 4 ft. high with coarse foliage, with large bright rose flowers in September.

ASTER (*Dwarf Alpine*)

***alpinus.** A very dwarf variety with large, bluish purple, Daisylike flowers. May and June.

BELLIS (*English Daisy*)

perennis. Improved double-flowering in pink and white.

CAMPANULA (*Bellflower*)

medium (*Canterbury-bells*). A very showy biennial rose, lilac and white.

carpatica (*Carpathian Harebell*). Compact and 8 in. high, blue flowers, ideal for the rockery or border.

COREOPSIS (*Tickseed*)

grandiflora. The very common large yellow Daisy, very good for cutting and most graceful in habit. The more it is cut the more it blooms. 3 to 4 ft. high.

CHRYSANTHEMUMS

We have these gorgeous Autumn-blooming plants in a large number of popular colors and varieties.

DELPHINIUM (*Larkspur*)

Belladonna. Light blue spikes of flowers. 3 ft. high. Fine for cutting throughout the season.

Bellamosum. Same as above, except that it is a much darker shade of blue.

DIANTHUS (*Hardy Pinks*)

barbatus (*Sweet-william*). An old-fashioned favorite especially for edging borders. We offer pink beauty, dark crimson, white and mixed.

***caryophyllus** (*Hardy Carnations*). Handsome double sweet-scented flowers in separate colors of red, white, yellow and pink.

DICENTRA (*Bleedingheart*)

***formosa.** A dwarf variety suitable for borders or rock gardening. Grows about 8 in. high and blooms profusely; rich, rose shaded lyre-shaped flowers with most attractive fernlike foliage. Semi-shade.

DIGITALIS (*Foxglove*)

Shirley Strain. Truly handsome spikes from 3 to 4 ft. high. Large, bell-shaped flowers closely crowded on the stalks. These are the aristocrats of the garden. Mixed colors of pinks, whites and purples with spotted throats. A biennial which self sows.

DORONICUM (*Leopardbane*)

excelsum. Large yellow, Daisylike flowers, very early in Spring. 2 ft. Succeeds everywhere.

GAILLARDIA (*Blanketflower*)

grandiflora. Handsome, Daisylike flowers of great variation in shades of red and yellow. Grows 2½ ft. high and blooms all Summer if kept cut.

GEUM (*Avens*)

***Mrs. Bradshaw.** Very showy rosettes of orange scarlet flowers on slender stems. Leaves rather coarse and fairly close to the ground. May and June.

GYPSOPHILA (*Babysbreath*)

paniculata. This is the favorite old-fashioned variety having tiny single white flowers of great grace and symmetry. Grows 2 to 3 ft. high and blooms in July and August. Most useful in forming bouquets with other flowers. May also be dried.

HEUCHERA (*Coralbells or Alumroot*)

Beautiful plants for front of borders with slender, fairy-like spikes of richly colored flowers. June to July.

IBERIS (*Candytuft*)

***sempervirens.** Dwarf plants about 8 in. high with evergreen foliage which is completely hidden by dense heads of pure white flowers in the Spring.

LIATRIS (*Gayfeather*)

pycnostachya. Rich purple flowers on a tall spike 3 to 4 ft. high are oddly conspicuous. Midsummer bloomer and lasts well.

MERTENSIA (*Bluebells*)

***virginica** (*Virginia Cowslip*). One of the most beautiful of the early Spring bloomers. Large, glaucous gray leaves and bears drooping clusters of clear blue flowers that fade to pink. 12 to 18 in. high. May.

MYOSOTIS (*Forget-me-not*)

***alpestris.** The well known Forget-me-not in shades of blue-pink and also white. May and June and a scattering of bloom throughout the season.

OENOTHERA (*Evening-primrose*)

youngi. A pretty, clear lemon yellow-colored flower growing 2 ft. high.

PAPAYER (*Poppy*)

***nudicaule** (*Iceland Poppy*). Dwarf, free flowering plants, bearing solitary blossoms on stems about 12 in. high. Good for cutting. Yellow, rich orange, also white. May-August.

Oriental. Large orange scarlet flowers, 2½ to 3 ft. high. Handsome, fernlike foliage in the early Spring which dies down when the plant is through blooming.

PHLOX, HARDY GARDEN

A good collection of Named Varieties.

PHYSOSTEGIA (*False-dragonhead*)

virginica. Long, slender spikes closely covered with pale pink, tubular flowers. 3 ft. high. July and August.

HARDY PERENNIAL PLANTS—Continued

PRIMULA (Primrose or Cowslip)

***veris.** English Cowslip of mixed colors, mostly reds and yellows with shadings to pink. 8 to 10 in. May and June.

PYRETHRUM (Painted Daisy)

roseum. A beautiful, Daisylike flower shading from white and palest pink to richest rose and even red. 3 ft. high. May and June. Splendid for cutting.

*SEDUM (Live Forever)

We have a great many varieties of Sedum. They are all splendid ground covers for sunny, dry situations and make pleasing contrasts in foliage as they have varying colors.

SEMPERVIVUM (Houseleek) (Hen-and-chickens)

These are evergreen succulents forming interesting rosette-like masses. Thrive in dry and sunny locations.

SHASTA DAISY

The large, showy white Daisy. Fine for cutting.

STATICE (Sea-lavender)

latifolia. Branching flower stems, 1½ ft. high, bearing countless small, blue purple flowers that retain their color after being cut and dried.

STOKESIA (Cornflower Aster)

***cyanea.** Large blue flowers, about a foot high. Leaves close to the ground, thick and shiny. June to October

TRITOMA (Red Hot Poker)

Hybrida. Very odd flowers of an orange scarlet shade growing on spikes about 3 ft. high. Throughout the Summer.

VERONICA (Speedwell)

spicata. This is a tall variety, 12 to 18 in. high. Long spikes of violet-blue flowers in June and July, also later if cut.

VIOLA (Tufted Pansy)

Showy violetlike flowers an inch or more across. Dwarf habit and blooms continuously. Cutting helps.

SPECIAL USES OF FLOWERS

RAPID GROWING ANNUAL VINES

Canary Bird Vine	Ipomoea
Cardinal Climber	Morning-glory
Cypress Vine	Nasturtium (Tall)
Dolichos	Scarlet Runner Beans
Gourds	Sweet Peas

ANNUALS FOR FRAGRANCE

Alyssum	Nicotiana
Candytuft	Petunia
Carnation	Scabiosa
Centaurea imperialis	Stocks
Heliotrope	Sweet Peas
Matthiola	Sweet-william
Mignonette	Valeriana
Nasturtium (Gleam)	Wallflower

ANNUALS FOR POOR SOIL

Alyssum	Kochia
Antirrhinum	Nasturtium
Celosia	Portulaca
Clarkia	Statice
Cosmos	Venidium
Euphorbia	Verbena
Godetia	

ANNUALS WHICH PREFER A LIME SOIL

Amaranthus	Momordica
Dianthus	Stocks
Hunnemannia	Sweet Peas
Mignonette	Wallflower

FOR SEMI-SHADE

Anchusa italica	Geum
Aquilegia	Godetia
Bellis perennis	Linaria
Campanula	Lupine
Centaurea	Myosotis
Clarkia	Pansy
Coleus	Sweet-william

FOR ROCK GARDENS (Annuals)

Alyssum	Portulaca
Brachycome	Schizanthus
Dimorphotheca	Thunbergia
Linaria	Statice Tom Thumb
Lobelia	Verbena
Nemesia	Zinnia Tom Thumb
Phlox drummondii	Zinnia haageana

FOR ROCK GARDENS (Perennials)

Alyssum saxatile	Heuchera
Aquilegia	Linum
Arabis	Lychnis
Armeria	Myosotis
Bellis perennis	Nepeta
Campanula carpatia	Poppy nudicaule
Dianthus	Primula
Geum	Veronica
Helianthemum	Viola

PLANTS FOR PORCH AND WINDOW BOXES

Ageratum	Lobelia
Asparagus sprengeri	Nasturtium (Gleam)
Begonia	Petunia
Coleus	Portulaca
Geranium	Thunbergia
Ipomoea	Verbena
Lantana	

FLOWERS FOR WINTER BOUQUETS (Dried Flowers)

Acroclinium	Helichrysum
Celosia cristata	Lunaria
Gomphrena	Physalis
Gypsophila paniculata	Rhodanthe
	Statice

DWARF EDGING PLANTS

Ageratum	Myosotis
Alyssum	Nasturtium (Dwarf)
Arabis	Nemesia
Armeria	Pansy
Bellis	Portulaca
Campanula carpatia	Pyrethrum aureum
Lobelia	Verbena
Marigold (French)	Viola
Marigold (Signata pumila)	Zinnia Tom Thumb

SUMMER BULBS and ROOTS

ANEMONES (Windflower)

Soak bulbs in water 24 hours before planting. If planted outdoors in the Fall they must be well protected. Plant in the Spring in well-drained soil and will flower during the Summer.

St. Brigid. An ideal rockery bulb with beautiful colored double flowers. Each 6c., doz. 60c.
De Caen. Beautiful single, Poppylike flowers with a wide range of color. Each 5c., doz. 50c.

BEGONIAS, TUBEROUS-ROOTED

This pretty class of Begonias is one of the most attractive of Summer flowering plants. Flowers measure from 4 to 6 inches across. Used to excellent advantage in window or porch boxes in semi-shaded places. Bulbs may be started indoors in February, March and April, and transplanted into beds as soon as all danger of frost is over, about May 20th.

Crimson, Rose, White, Yellow, Orange, Salmon.
Single or Double Varieties. Each 25c., doz. \$2.50.

CANNAS (Dormant Roots)

May be started indoors in March or April. These are the large flowering varieties. Green foliage except where noted. Each Doz.

COPPER GIANT. 4 ft. The finest variety we know. Large flowers of madder red and old rose with a suggestion of burnished copper. Green foliage and bears throughout the season. \$0.20 \$2.00
THE PRESIDENT. Large, rich scarlet. 4 ft.... .10 1.00
RED KING HUMBERT. Scarlet, bronze foliage. 4 ft..... .10 1.00
YELLOW KING HUMBERT. Bright yellow, dotted with bright red, green foliage. 4 ft..... .10 1.00
HUNGARIA. A great clear rose variety. 3½ ft.. .10 1.00
EUREKA. Best white Canna ever introduced. 4½ ft..... .15 1.50
APRICOT. Large, bright apricot with cream border..... .10 1.00

CALADIUM or ELEPHANTS-EAR

Immense green leaves sometimes 2 feet across. Plants 5 feet high. Each 20c., doz. \$2.00.

CINNAMON VINE (Dioscorea batatas)

A beautiful, rapid growing Summer climber with bright green, glossy foliage and spikes of deliciously cinnamon-scented, white flowers. Each 10c., doz. \$1.00.

DAHLIAS

We have a choice lot of varieties too numerous to list, from 50c. to \$2.50 each. Send us your list. We shall be pleased to quote our prices on any of the **Novelties, Exhibition or Leading Varieties.** By expert Dahlia growers.
Unnamed Varieties in pink, red, white and yellow. Each 15c., doz. \$1.50, 100 \$12.00.



Tigridia

HARDY LILIES

Most Lilies thrive best when planted in a semi-shaded situation where the ground can be kept cool and moist by the protection of shrubs and a carpet of lawn grass cuttings. Planted among shallow rooting perennials or Rhododendrons, they find a congenial situation both as to soil and shelter. The bulbs should be planted from 6 to 9 inches deep, with a pocket of sand under the base of each bulb.

AURATUM (Goldband Lily of Japan). Ivory Each Doz. white, brown spots. Yellow stripe through center of petals.....\$0.30 \$3.00
AURATUM PLATYPHYLLUM. Also called "Macranthum." Robust grower, stouter stem, greater height, broader leaves, enormous flowers, white, richly spotted yellow..... .35 3.50
CROCEUM (Irish Orangeman Lily). Bright, upright orange flowers, 3 to 4 ft. high. Flowers in June-July..... .25 2.50
SPECIOSUM RUBRUM. Delicate pink spotted crimson..... .25 2.50
PHILIPPINENSE FORMOSANUM. Long, trumpetlike flowers with a beautiful, emerald-green throat..... .15 1.50
REGALE. White, slightly tinged pink, with a shade of canary-yellow at center..... .15 1.50
SPECIOSUM ALBUM. Snow-white flowers with a golden-green stripe through the center of each petal..... .35 3.50
TENUIFOLIUM (Coral Lily). Strongly recurved waxy red flowers; grows 1 to 2 ft. tall; flowers May-June. Ideal for rockeries..... .10 1.00
UMBELLATUM ERECTUM. Has large red flowers and is much darker than Grandiflorum. 2 to 2½ ft. high and blooms in June..... .15 1.50
TIGRINUM FLOREPLENO (The Double Tiger Lily). This is the only Lily in a real double form, rich, dark salmon-orange, spotted with glossy black, 4 to 5 ft. high and blooms in August-September..... .15 1.50

HYACINTHUS

Candicans (Summer Hyacinth). Stately plants, producing tall spikes of large, pure white, pendant blooms during Summer. Very effective in the border or in clumps. Not hardy. 4 ft. Each 10c., doz. \$1.00.

ISMENE

Calathina (Peruvian Daffodil). Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Each 15c., doz. \$1.50.

MADEIRA VINE (Climbing Mignonette)

A beautiful and popular vine, covering a large space in a short time. Fleshy, heart-shaped leaves of a light green and numerous racemes of feathery flowers of delightful fragrance. Each 10c., doz. \$1.00.

MONTBRETIAS

Highly valuable for cut flowers they are of easy culture succeeding in a light, loamy soil. Treated as you would Gladiolus, they will produce beautiful clumps of Autumn flowers.
Mixture. Contains shades of yellow, salmon, orange, and scarlet. Each 6c., doz. 65c.

OXALIS

An excellent Summer-blooming bulb which is showy in the border, rockery, or in pots or hanging baskets. Bulbs are not hardy.
Bowi. Brilliant rose-red flowers blooming all Summer; ideal for the rockery. 12 for 25c., 100 for \$1.50.
Deppei. Small white flowers, contrasting beautifully with the fine green, purple-banded leaves. 12 for 25c., 100 for \$1.50.

EXCELSIOR Double Pearl TUBEROSES

One of the most fragrant and most popular of the Summer-flowering bulbs. Easily recognized by its fragrance and beautiful flower spikes.
MAMMOTH BULBS. Each 10c., doz. \$1.00, 100 \$8.00.

CHOICE GARDEN PEONIES

It is perfectly hardy, the plants require no other protection than that which they afford themselves.
Plant roots with eyes about 2 inches beneath the surface.
ALL COLORS. Each 50c., doz. \$5.00.

TIGRIDIA

Brilliant, colorful blooms in yellow and orange, attractively marked, blooming from Midsummer to frost. Treat the bulbs the same as Gladiolus. Each 10c., doz. \$1.00.

RIBSAM'S EVERBLOOMING ROSES

There is perhaps no plant or flower so generally cultivated today as the Rose. Its wonderful beauty and fragrance make it the most popular of flowers. For extensive grounds, small lawns, porch, trellis or hedges, Roses are used with charming effects. Many persons think it difficult to grow Roses, but such is not the case.

The following sorts are the most popular, blooming throughout the season, grown in 5- and 6 inch pots.



Cynthia

Each 75c., doz. \$7.50, except where noted

Autumn. Buds of medium size developing into an attractive-cupped, double fragrant flower of distinct burnt orange streaked and marked with red.

BETTER TIMES (U. S. Plant Patent No. 23.) New Rose with long, crimson bud opening into brilliant cerise-red. Double, delicate and fragrant. \$1.50.

Briarcliff. A fine Rose with long buds, fragrant, lasting, of a brilliant rose pink shading to light at outer petals.

Countess Vandal (U. S. Plant Patent No. 38). A vigorous Rose with long, pointed, orange-copper buds. The flowers are brilliant pink with a salmon glow and richly fragrant. Each \$1.25.

Cynthia. Free flowering habit with rich oriental red color. Very desirable variety.

Dame Edith Helen. Very large flower, raspberry pink.

Duchess of Wellington. Saffron yellow.

E. G. Hill. High centered flower of dazzling scarlet.

Golden Dawn. Ideal yellow rose, sweet-scented.

Gruss an Teplitz. Rich scarlet, very fragrant.

Joanna Hill. Fine yellow.

Lucie Marie. Deep yellow, splashed red; long pointed bud.

Mrs. J. D. Eisele (U. S. Plant Patent No. 67). The perfumed Rose. Gold Medal Winner. This cherry rose-colored Rose is overlaid with a glow of scarlet; a strong, free bloomer. Each \$1.00.

Mme. Butterfly. Soft pink, tinted yellow.

Mme. Jules Bouche. Porcelain white, tinted pink.

Olympiad. Awarded gold medal in 1932. Dark oriental scarlet. Each \$1.00.

Ophelia. Salmon flesh, shaded rose.

President Hoover. A splendid combination of cerise pink, flame, scarlet and yellow with beautiful pointed buds.

Padre. Copper scarlet, base yellow.

Red Radiance. Cerise red.

Rose Marie. Clear rosy pink.

Souv. de Claudius Pernet. Beautiful canary yellow.

Talisman. Golden rose, flamed red.

POLYANTHA or BABY EVERBLOOMING ROSES

Each 75c., doz. \$7.50

Cecile Brunner (Sweetheart). Delicate pink.

Triomphe Orlonais. Cherry red in large clusters.

CLIMBING ROSES

Each 75c., doz. \$7.50

Golden Rambler (U. S. Plant Patent No. 114). This is the first true golden yellow Climber with quality blooms able to stand sub-zero weather without injury. Long-stemmed, vigorous, fragrant, of solid, golden yellow color. Each \$1.50.

New Dawn. Everblooming Climber. Flesh pink. Each \$1.50.

Dorothy Perkins. Pink.

Dr. W. Van Fleet. Delicate pink.

Primrose. A real hardy primrose-yellow Rambler.

Mary Lovett. White.

Paul's Scarlet. Scarlet.

Silver Moon. Silvery white.

Planting and Care of Roses

Roses should be planted in good, rich soil. Dig the hole deep enough so that it can be set in the ground about 2 inches below where it was budded. That will prevent suckers from growing up from the natural root. Do not trim the root off too severely, but cut the tops off about 8 inches above the top of the ground. Pack good rich soil thoroughly around the roots, being careful not to let any compost come in contact with the roots. Keep the top of the earth thoroughly worked around the bushes the entire season. Each following Spring they should be pruned 10 to 12 inches. Always use pruning shears, as a knife has a tendency of loosening them from the earth.

**To immunize Healthy Roses spray with
NICOTINE PYROX, dust with GRAPE DUST,
Kills Mildew**

See pages 61 and 62

Use TRI-OGEN for the best care of Roses.

See Insecticide, page 62



Rose "Better Times"
(U. S. Plant Patent No. 23)



Bed of Gladioli

RIBSAM'S SELECT GLADIOLI

**MOST POPULAR OF ALL SUMMER FLOWERING BULBOUS PLANTS. ALL FIRST SIZE BULBS
RARE AND BEAUTIFUL VARIETIES**

This flower has made wonderful strides during recent years. Its popularity today is exceeded by few other flowers and it has by no means reached its limit. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest Orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. A succession of blooms may be had from July until October by making plantings from April to July about 10 days apart.

OUTSTANDING SELECTION OF MODERN GLADIOLI

Each 5c., doz. 50c., 100 \$3.50, except where noted

ALBANIA. This is an early midseason variety which is one of the best all round pure whites, having large flowers and earlier and taller than the variety, Carmen Sylva.

BERTY SNOW. In the very popular silvery lavender shades, this midseason variety from Scotland makes a bid for highest honors.

BETTY NUTHALL. Still one of the best salmon-rose tinted Gladiolus, extra large, midseason to late. It is light coral with pale orange throat and a light feathering of carmine.

CARDINAL PRINCE. A rare shade of cardinal of great depth, perfectly placed large flowers, 6 to 7 open on tall spike; midseason with much symmetry and refinement.

CHARLES DICKENS. 5 ft. spike with double row of large flowers magnificent royal purple with velvety purple blotch. A gesture of wealth and luxury, a triumph in floriculture.

DR. F. E. BENNETT. Fine peach red with a suggestion of flame scarlet, throat creamy white speckled ruby red. Many huge flowers open on splendidly built spike. Wonderful exhibition variety. Midseason to late.

E. J. SHAYLOR. A rose-pink variety that deserves a place in any Gladiolus collection because of its excellent keeping quality. It is ruffled, large, and well balanced coming midseason.

FLAMING SWORD. Extra-large, substantial flowers of a beautiful spectrum-red color on long spike, coming as an early, midseason variety.

GIANT NYMPH. Lovely, early, midseason rose-pink suffused with creamy yellow in the throat. Giant flowers.

GOLDEN DREAM. Still one of the best golden yellows in cultivation, having many florets open at one time on a long spike, blooming in late midseason.

HARBINGER. One of the best of the true orange varieties, this large, early to midseason Gladiolus makes an excellent cutting variety. A grand garden variety.

HELGA. This elegant rose-pink, early midseason variety is many times preferred above Halley. It is deeper in color, sturdier and retains its color.

LOS ANGELES. An early, midseason variety of shrimp pink with orange carmine throat, distinct and elegant, and a valuable introduction.

MINUET. The peer of the lavenders, this midseason exhibition variety has clear, light, pinkish lavender color flowers carried on strong stems. Each 7c., doz. 75c., 100 \$5.75.

MRS. FRANK PENDLETON. Deep rose pink shading to pale pink in throat; large, bright crimson blotches on lower petals, giving it a striking appearance; tall, vigorous grower; extra cut flower and forcer.

NANCY HAWKS. A much earlier and lighter variety than Betty Nuthall, but with larger florets; a midseason variety of one of the newer introductions.

ODIN. A very good salmon color with dark blotches coming in early midseason. This variety is considered one of the best garden varieties.

PICARDY. Without question, the most outstanding Gladiolus of the last 20 years. Exceedingly large, shrimp pink and salmon, flowers with sweet pinking and pleating on the edge of the petals. Height, size, health, color all of the best.

PRIDE OF WANAKAH. Exquisite lavender-rose, deeper in the throat, of fine form and good keeper. It has fine spikes with large blooms coming in midseason.

PRIMROSE PRINCESS. Fine extra large yellow variety with dark red lines on the lower lip and used for exhibition. This grand garden Gladiolus comes into bloom from midseason to late.

SPIRIT OF ST. LOUIS. A very showy, early, midseason variety, with large, orange-saffron flowers of good substance

RIBSAM'S SUPREME MIXTURE

Every bulb for this mixture has been selected with the utmost care for coloring and size of flower.

Exquisite colorings are to be found in this blending of the named varieties we list. We believe this mixture to be unexcelled.

Doz. 40c., 100 \$3.00, 1000 \$20.00



Standard Varieties of TESTED VEGETABLE SEEDS for the Garden and the Farm

WITH DIRECTIONS FOR CULTIVATION

Seeds Tested in Our Own Greenhouses

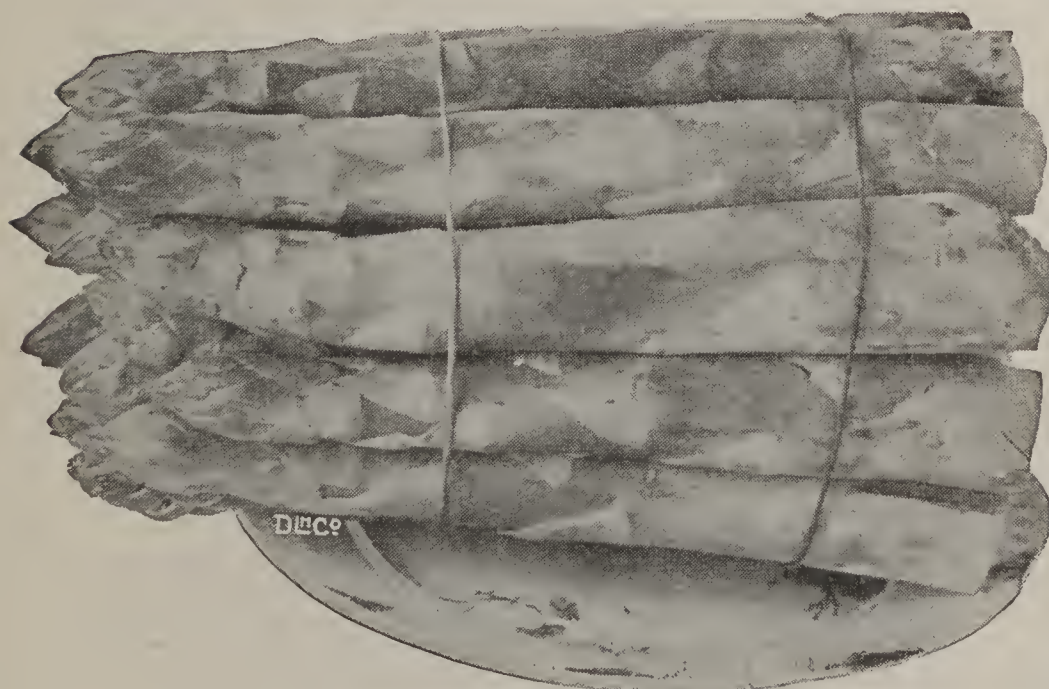
Treat All Vegetable and Flower Seeds with Semesan Before Planting
See page 62

ARTICHOKE

1 oz. of Artichoke will sow 100 ft. of drill and produce about 500 plants

Sow in April in rich soil and transplant the following Spring to permanent beds in rows or hills 3 feet apart and 2 feet between the plants. The plantation the first season will only give a partial crop, but it is a perennial; after being once planted the beds will remain in bearing for years. It should be protected in Winter by a covering of leaves or coarse manure.

LARGE GREEN GLOBE, or PARIS. Best for general culture; heads large, slightly elongated, scales thick at base. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.



Asparagus Mary Washington

ASPARAGUS

German, Spargel; Italian, Sparagio; Polish, Szparagi

1 oz. of seed will produce 200 roots and sow about 50 ft. of drill. 100 roots will set a bed 12x30 ft., which will be large enough for ordinary family. For field culture, plant in rows 5 to 6 ft. by 1 $\frac{1}{2}$ ft. apart in the row according to soils

Sow early in Spring, as soon as the ground will admit of working, in rows 3 feet apart. Keep carefully hoed and clear from weeds and the plants will be in condition to set out the succeeding Spring. The soil for the permanent beds should be thoroughly manured and trenched to a depth of at least 2 feet. Plant in rows 5 to 6 feet apart and 1 $\frac{1}{2}$ feet between the plants in the rows. Spread the roots well out and let the crown of the plant be covered about 6 or 8 inches when established.

MARY WASHINGTON. The highest type of rust-resistant Asparagus. It is earlier, larger and longer than the original Washington and quite as resistant. Tips are very tight and do not sprangle out or blow prematurely. Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

GIANT ARGENTEUIL, or FRENCH. A popular variety on account of its large, thick stalks. Very, tender and excellent flavor. Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

ASPARAGUS ROOTS

	100	1000
MARY WASHINGTON, 1-yr.-old roots..	\$1.25	\$6.50

MARY WASHINGTON, 2-yr.-old roots..	1.50	8.50
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GIANT ARGENTEUIL, 2-yr.-old roots..	1.50	7.50
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Ask for prices on quantities of 5000 or more roots



Beans, Bountiful



Beans, Dwarf Horticulture



Improved Golden Wax

BEANS DWARF or BUSH

German, Bohnen; Italian, Fagioli; Polish, Fascol

60 lbs. to a bushel, 1 lb. will plant 50 to 60 ft. of drill; 60 lbs. will seed an acre

A succession of sowings can be made from the first week in May until the middle of August. Plant in drills about 2 inches deep and from 18 inches to 3 feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted. The plants should be about 3 inches apart.

These prices on Beans are subject to change without notice

The number of days following each variety in this section signify maturity periods

BEANS—GREEN POD VARIETIES

RIBSAM'S EARLY FILL BASKET. 50 days. Early, hardy, strong grower. Round, straight pod, 6 in. long. Very productive, stringless, of a beautiful green color. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 17c. per lb.; in 100-lb. lots, 15c. per lb.

IMPROVED STRINGLESS GREEN POD. 52 days. Plants large, erect, very productive. Pods round, medium green, very meaty, perfectly stringless and fiberless and of excellent quality. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 16c. per lb.; in 100-lb. lots, 14c. per lb.

GIANT STRINGLESS GREEN POD. 54 days. An excellent variety for market garden and shipping, plants large, sturdy, prolific, pods round, meaty, strictly stringless and brittle. A desirable commercial variety. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 16c. per lb.; in 100-lb. lots, 14c. per lb.

RED KIDNEY. 95 days. A commercial variety of fine quality for dry bean use. Pods waxy green color, oval, flat and stringy. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 22c. per lb.; in 10-lb. lots, 20c. per lb.

DWARF HORTICULTURAL (Also called Italian Bean)

54 days. Used for snap beans, and also for green shell beans which are edible in 62 days. Pods green at early stage, 5 in. long, changing to greenish yellow, splashed with carmine at maturity; semi-round and stringless. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 17c. per lb.; in 100 lb. lots, 15c. per lb.

BOUNTIFUL. 50 days. An extra early flat-podded variety, stringless and of fine quality. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 16c. per lb.; in 100-lb. lots, 12 $\frac{1}{2}$ c. per lb.

LARGE WHITE KIDNEY. 62 days. Excellent as a shell Bean, green or ripe. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 16c. per lb.

WHITE MARROWFAT. 60 days. Extensively grown for sale in the dry state; of average quality as a string Bean, but excellent shelled, either green or dry. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 16c. per lb.

BEANS—WAX or YELLOW-PODDED VARIETIES

60 lbs. to a bushel

IMPROVED GOLDEN WAX. 50 days. A flat-podded sort but probably the best known of the Yellow Wax Pod varieties, having become everywhere popular because of its long, showy pods, which are nearly twice the length of the old Black-seeded Wax. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 22c. per lb.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 17c. per lb.

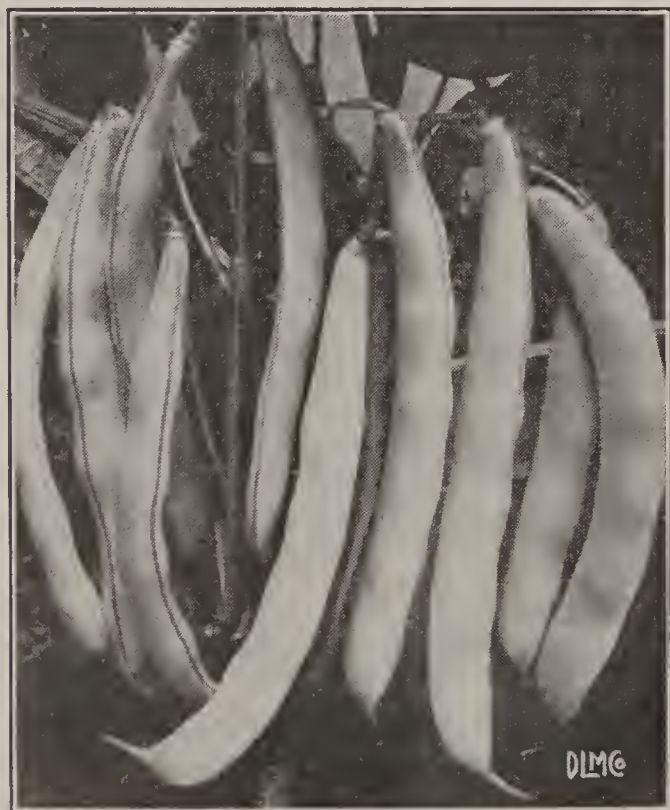
PENCIL POD WAX. 57 days. Pods are long, straight, round like a pencil; fleshy, of a bright yellow color, tender, brittle and absolutely stringless; very productive. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 23c. per lb.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 17c. per lb.

ROUND POD KIDNEY WAX, or BRITTLE WAX. 54 days. Pods medium yellow, round, slightly curved, deeply creasebacked, extremely brittle, fleshy and absolutely stringless. $\frac{1}{2}$ lb. 20c., lb. 30c.; in 5-lb. lots, 28c. per lb.; in 10-lb. lots, 24c. per lb.; in 100-lb. lots, 20c. per lb.

BOUNTIFUL WAX, or SURECROP WAX. 55 days. Pods golden yellow, thick flat, brittle, strictly stringless and of fine quality. A very desirable market sort. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 22c. per lb.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 17c. per lb.

BEANS—ENGLISH or BROAD WINDSOR

This class is very hardy and should be planted as soon as the soil is in good state in the Spring. Plant 4 inches apart and 2 inches deep, in drills 4 feet apart. To insure well-filled pods, pinch off the tops as soon as the lower pods begin to set. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 22c. per lb.; in 10-lb. lots, 20c. per lb.



Bountiful Wax

BEANS—POLE or RUNNING (Snap Podded)

60 lbs. to a bushel, 1 lb. will plant about 50 hills

These are more tender and require rather more care in the culture than the Bush Beans, and should be sown two weeks later than those; they succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed according to the variety, from 3 to 4 feet apart; from 5 to 6 seeds are planted in each hill, about 2 inches deep.

HORTICULTURAL POLE, or ITALIAN. 75 days. Pods 5 to 6 in. long, straight, flat, stringless and of good quality; color, dark green splashed with bright red. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 22c. per lb.; in 10-lb. lots, 20c. per lb.

OLD HOMESTEAD or KENTUCKY WONDER. 68 days. Very early and enormously productive, long green pods, hanging in clusters on the poles, are stringless and cook tender. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 22c. per lb.; in 10-lb. lots, 20c. per lb.

KENTUCKY WONDER WAX. 68 days. Pods waxy yellow, flat, meaty and is the most popular wax-podded variety. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 23c. per lb.; in 10-lb. lots, 20c. per lb.

EARLY GOLDEN CLUSTER POLE WAX. 75 days. The Early Golden Cluster begins to bear early in July and continues until frost. The pods are from 6 to 8 in. long and are borne in clusters of from three to six and are most freely produced. The pods are of a beautiful golden color and the flavor is most delicious. This variety can be used either shelled or as a string Bean. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 23c. per lb.

SCARLET RUNNER. 64 days. A great favorite in European gardens, both as an ornamental and a useful vegetable. It grows to the height of 10 ft., producing dazzling scarlet flowers. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 35c.

BEANS—BUSH LIMA

Prices subject to market fluctuations

60 lbs. to a bushel

FORDHOOK BUSH LIMA. 76 days. Best market variety of the bush sort. The beans are thick, of large size and fine quality. Very prolific. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 24c. per lb.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 19c. per lb.

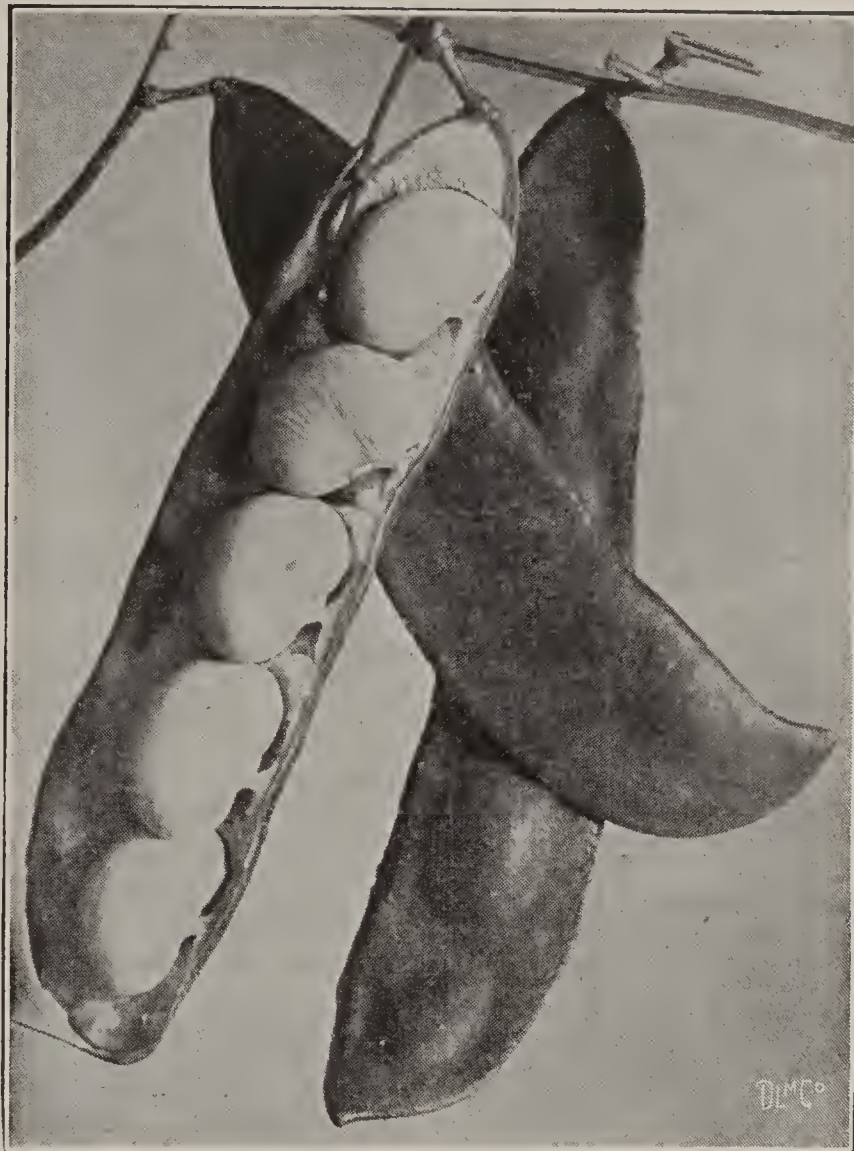
DREER'S BUSH LIMA. 80 days. The best variety of the Bush Lima for home garden. Pods are well filled and quality of bean unexcelled. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 24c. per lb.; in 10-lb. lots, 22c. per lb.

HENDERSON'S BUSH LIMA. 74 days. Produces enormous crops of delicious, small Lima Beans which can be as easily gathered as the common garden Bush Bean. It is at least two weeks earlier than any of the climbing Limas. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.

IMPROVED BURPEE'S BUSH LIMA. 76 days. Larger in size of pods than Burpee's; green in color and quality good. Improvement on Burpee's Bush Lima. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 24c. per lb.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 19c. per lb.



Italian or Calabrese Broccoli



Pole Lima—King of the Garden

BEANS—POLE LIMA

60 lbs. to a bushel

DREER'S IMPROVED POTATO or CHALLENGER. 85 days. Earlier and more prolific than large Lima. Bean small and of extra quality, thick. Produces almost all season. $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 23c. per lb.; in 10-lb. lots, 21c. per lb.; in 100-lb. lots, 18c. per lb.

GREEN GIANT PODDED. 90 days. This is undoubtedly the best of all the climbing Limas, the individual beans being of enormous size, containing from five to eight green beans to a pod. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 23c. per lb.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

KING OF THE GARDEN. 84 days. Large in pod and bean, very productive. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 23c. per lb.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

LEVIATHAN, EARLY. 81 days. An exceedingly early and an enormous cropper from the start; quality fine. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 5-lb. lots, 23c. per lb.; in 10-lb. lots, 21c. per lb.; in 100-lb. lots, 19c. per lb.

BROCCOLI

1 oz. will sow 75 ft. of drill and produce about 2000 plants

Nearly allied to the Cauliflower, but more hardy. The seed should be sown in this district in the early part of May and transplanted in June; farther south the sowing should be delayed until June or July, and the transplanting accordingly, from August to October. In parts of the country where the thermometer does not fall below 20 to 25 degrees, Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.

ITALIAN or CALABRESE. Extensively cultivated by Italian gardeners. Plant forms a large, solid head which remains green. When central head is cut numerous sprouts develop from the leaf axils. Each sprout terminates in small green heads which are bunched for market. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.35.

WHITE CAPE. Heads medium size, close, compact and of a creamy white color. One of the most certain to head. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

PURPLE CAPE. Differs only in color. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

BEET

German, Rote-Rube; Italian, Barbabietola; Polish, Buraki

1 oz. of garden varieties will sow 75 ft. of drill, 5 to 6 lbs. to the acre

The soil which is best suited for the culture of the Beet is that which is rather light than otherwise, always provided it is thoroughly enriched with manure. For any early supply sow in Spring as soon as the ground becomes fit to work, in drills about 1 foot apart and 2 inches deep. For main crop sow the first week in May, and for Winter use sow in June. When the plants have attained three or four leaves, thin out, so that they may stand 4 to 5 inches apart. Keep free from weeds by hand weeding and hoeing. In October the roots may be taken up and stored, care being taken that they are not bruised or injured in the process.

EARLY WONDER. 58 days. Valuable to truckers. Tops medium small, erect. Roots semi-globular, blood red, with small tap root, tender and of good quality. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

EARLY CROSBY'S EGYPTIAN. 60 days. An extra early variety for home and market garden use. Roots flattened shaped with small tap root; dark red, tender and sweet. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 65c.

LONG SMOOTH BLOOD. 75 to 80 days. A well known late variety for Winter use. Tops erect, large, roots 10 to 15 in. long, flesh deep blood red of good quality and suited for Winter storage. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

ECLIPSE. 65 days. An early variety for home and market garden use. Roots globular, of medium size, dark red of good flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 65c.

DETROIT DARK RED. 50 days. One of the best market gardener's variety. Second early and a Fall and Winter variety. One of the best keepers, fine grained; remains tender longer than any other variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

EARLY BLOOD TURNIP. 50 days. The standard early sort. An excellent variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

WHITE SUGAR. Good for late table and stockfeeding; sweet. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Beet, Crosby's Egyptian

BEET—SWISS CHARD

1 oz. will sow 75 ft. row; 5 to 6 lbs. to an acre

Swiss Chard or Spinach Beet are grown for their leaves. The midrib when boiled makes delicious greens or the leaves may be boiled and served as Spinach. Sow early in the Spring. The leaves are soon ready to eat and will continue to grow all through the Summer and Fall. It has become a very profitable and likeable wholesome vegetable.

SILVER-RIBBED GREEN-LEAVED. 60 days. Smooth leaves, large stems which are tender and of fine flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 65c.

LUCULLUS. 50 to 60 days. Desirable for home and market garden use. Upstanding in habit of growth; leaf color yellowish green; heavily crumpled, stems thick and broad. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 65c.



Early Wonder Beet

BEET—MANGEL WURZEL

The following varieties are grown for feeding cattle and stock. Sow in April or May, 6 to 8 lbs. per acre, in rows 3 feet apart, thin out to 6 inches in the row. During rainy weather the plants can be transplanted.

MAMMOTH LONG RED. 110 days. This is the finest stock of Long Red Mangel in cultivation. Oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c., in 5-lb. lots, 30c. per lb.

RED GLOBE. 90 days. A variety similar to the Yellow Globe in shape and size and differing only in color. Oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 45c., in 5-lb. lots, 40c. per lb.

GOLDEN TANKARD. 90 days. This variety is an exceedingly popular variety in Great Britain, where it is considered particularly valuable on account of its nutritious and milk producing qualities. Sheep have preference for this sort over other Mangels. It is said that they will pick out every piece of Golden Tankard before touching others. It yields enormous crops. Oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 45c.; in 5-lb. lots, 40c. per lb.

YELLOW GLOBE. 90 days. Roots of large size and globular form. Very productive. Keeps better than the Long Red and is better adapted for growing in shallow soil. Oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 45c.; in 5-lb. lots, 40c. per lb.

BRUSSELS SPROUTS

1 oz. will sow 75 ft. of drill and produce about 2000 plants

This is one of the best vegetables for Winter use, producing from the axils of the leaves an abundance of sprouts, resembling small Cabbages of excellent, mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the Winters of the northern states; still, by sowing in April or May and planting out in July, it may be had in fine condition until December and in the southern states may be had in use from November to March.

IMPROVED LONG ISLAND HALF-DWARF. Popular variety, producing numerous good sized, compact sprouts. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

DWARF IMPROVED. A variety producing compact sprouts. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



Brussels Sprouts

CABBAGE

German, Kraut; Italian, Cavola Capuccio; Polish, Kapusta

1 oz. will sow 75 ft. of drill and produce about 2000 plants
Treat seed before sowing with Semesan for disease protection

The early varieties of Cabbage are cultivated more extensively than any other vegetable. In latitudes where the thermometer never indicates 20 degrees below the freezing point, seed may be sown in the open border in October and planted out on the first opening of Spring, but in our Northern States they must either be sown in hotbeds in February, or wintered over in coldframes. For this purpose, the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon, the plants might run to seed, and if too late, they will be too small.

In four or five weeks from the time of sowing transplant into coldframes. It is very important that the plant is set down to the first leaf, so the stem is all under ground; if exposed, it will be split by the action of the frost and injured in consequence. The plants are usually set out from the middle of March to the middle of April, in rows about 2 feet apart and 18 inches between the plants in rows. Late varieties are usually sown in the early part of May and the plants are set out in July at a distance of 3 feet between the rows and 2 feet between the plants.

Dust your seed with Semesan before planting

EXTRA EARLY JERSEY WAKEFIELD. 66 days. An extensively used and popular extra early variety, with small, compact, conical heads, 7 in. long. Plants small with short stems, permitting close setting in the rows. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

EARLY GOLDEN ACRE. 65 days. This is an extra early strain of Copenhagen Market, maturing 10 days earlier. Heads 9 in. in diameter, uniform weight of 5 lbs. Stalk short of compact growth. Can be planted as close as the Wakefields. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., lb. \$2.50.

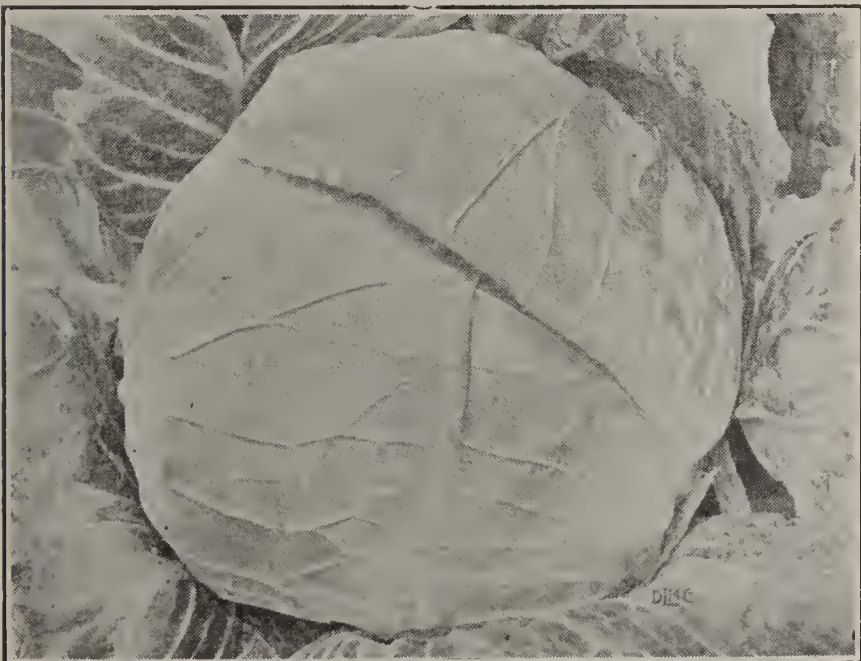
CHINESE PE-TSAI. 70 days. It is called cut Cabbage in China and is appearing extensively in our markets. It grows erect, not forming a head and resembles Cos Lettuce. Its flavor is mild and is used either as a salad or cooked. Set plants 3 ft. apart and 2 ft. in the row. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

COPENHAGEN EARLY MARKET. 85 days. An excellent early variety. Matures at about the time of Charleston Wakefield. Heads very large and round. Leaves light green, head very heavy and it is a very uniform cropper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$1.85.

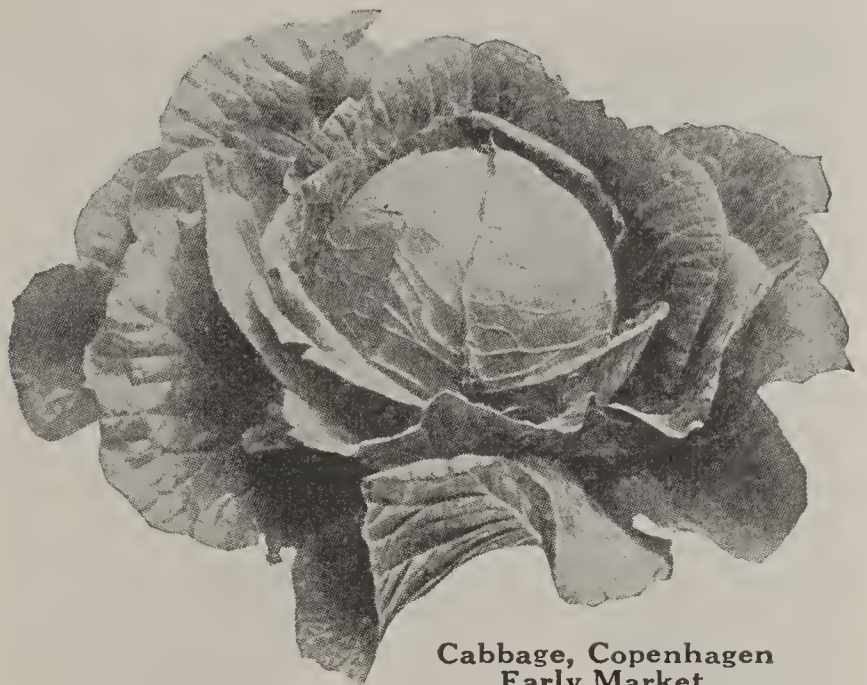
EARLY SUMMER. 78 days. It is about 10 days later than the Wakefield, but being fully double the size it may be classed as the best early flat head Cabbage. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

SUCCESSION. 88 days. The Succession we regard as the most valuable variety that has been introduced since the Early Summer, is double the size, flat, thick, being $7\frac{1}{2}$ in. deep, short stem and a dependable cropper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$1.75.

AUTUMN KING or WORLDBEATER. 105 days. A large, vigorous variety with heavy, glaucous green leaves. Desirable for home or market garden. Heads very large, round, compact; of good quality. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.



Cabbage, Late Flat Dutch



Cabbage, Copenhagen
Early Market

DANISH BALLHEAD (Short Stem). 116 days. A very handsome and extremely hardy imported Cabbage, which is growing in popularity in America having proven one of our best Winter sorts. Heads are not quite as large as the Late Flat Dutch, but very hardy, round, fine grained and will weigh one-fourth more than other varieties of equal size. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00

SELECTED PREMIUM LATE FLAT DUTCH. 110 days. To this we have only to add that the seed offered has been grown from heads uniform in size, large and solid. Those who buy it for the first time will find it to be one of the most satisfactory strains of late Cabbage they have ever used. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$1.75.

SAVOY, PERFECTION DRUMHEAD. 110 days. The best of the Savoy type, an excellent keeper, heads nearly round, full and hard; leaves large, coarsely crimped, dark bluish-green and of good quality. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

LARGE LATE DRUMHEAD. 110 days. Similar to Premium late Flat Dutch but shorter in stem; heads very large, flat, and a good keeper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$1.75.

RED DUTCH. 100 days. Used almost exclusively for pickling. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

MAMMOTH ROCK RED. 110 days. This is by far the best, largest and surest heading Cabbage ever introduced. The head is large, round, very solid and of deep color inside, as well as outside. Ninety-eight per cent of the plants will form extra fine heads. The best of the red Cabbages. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

CABBAGE PLANTS

Prices subject to fluctuation

Early Sorts

EARLY WAKEFIELD and EARLY SUMMER.

Transplanted Plants. Doz. 15c., 100 90c., 1000 \$6.00.

Late Sorts

DANISH BALLHEAD, LATE FLAT DUTCH, AUTUMN KING, SUCCESSION. 100 75c., 1000 \$4.50. Field grown.

Special prices given on lots of 5000 or 10,000

INCLUDE WITH YOUR ORDER

SEMESAN. To prevent damping-off, seed-borne black leg and black rot of Cabbage and other vegetables, treat your seed with Semesan, a mercuric disinfectant. 2-oz. tin 35c., lb. \$2.25, 5 lbs. \$9.90.

CUPROCIDE (Red Copper Oxide). Treat all seed with Cuprocide to prevent damping-off and other seed-borne diseases. 4 ozs. 35c., lb. 90c.



Carrots, Danvers

CARROT

German, Gelbe-Ruben; Italian, Carota; Polish, Marchew

1 oz. will sow 100 ft. of drills; 3 lbs. will seed an acre

The Carrot, like other root crops, delights in a sandy loam, richly filled. For early crops sown in Spring, as soon as the ground is in good working order; for later crops, they may be sown any time until the middle of July. Sow in rows about 15 inches apart, thinning out to 3 or 4 inches between the plants. For field culture, rows 3 feet apart; 4 inches apart in the row.

IMPERATOR. 76 days. A new introduction, 7 to 8 in. long, diameter of shoulder 2 in. Rich orange flesh and excellent for market gardeners. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 75c.

CHANTENAY HALF-LONG. 70 days. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 6 in. long, stump-rooted. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 75c.

IMPROVED EARLY NANTES. 70 days. A handsome early Carrot. Deep orange in color, smooth, cylindrical in form. Free from woody heart, almost coreless, and of the highest quality. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 80c.

EARLY FRENCH FORCING. 60 days. The earliest variety; valuable for forcing; root small and of fine flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

EARLY SCARLET HORN. 60 days. An old favorite sort, much esteemed for early Summer use. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 85c.

LONG ORANGE IMPROVED. 80 days. The roots are of large size. Equally adapted for garden or farm culture. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 85c.

RUBICON HALF-LONG ORANGE. 75 days. It is uniform in shape and its deep red orange-colored flesh makes it the finest in quality. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

DANVERS. 75 days. A variety between the Long Orange and Early Horn Class. In color it is of a rich shade of orange, growing very smooth and handsome. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 75c.

CATTLE CARROT

LARGE WHITE BELGIAN. 100 days. A very productive kind. Grown almost exclusively for stock; grows one-third out of the ground; lower part of the root white, that above the ground green. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

YELLOW BELGIAN. 100 days. When young the roots are mild, delicate and of good flavor; when full grown valuable for stock. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

CARDOON

1 oz. will sow 100 ft. of drill

Cardoon is grown for the midrib of the leaf which requires to be blanched in the same manner as Celery. Sow early in Spring, where the plants are to remain in drills 3 feet apart, $1\frac{1}{2}$ inches deep, and thin out the young plants to 1 foot apart in the drills.

LARGE SPANISH. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50

CAULIFLOWER

German, Blumenkohl; Italian, Colovoflore; Polish, Kalafiory

1 oz. will sow 75 ft. of drill and produce 2000 plants

Dust your seed with Semesan before planting
See page 62

Any soil that will grow Cabbage will grow Cauliflower, as their requirements are almost similar. But as the product is more valuable, extra manuring and preparation of the soil will be well repaid.

The seed may be sown in September and wintered over in the same manner as described for early Cabbage. Where this is not practicable, it may be had nearly as well by sowing the seeds in the hotbed in January or February and transplanting the plants at 2 or 3 inches apart, in boxes, or in the soil of another hotbed, until such time as they are safe to be planted in the open ground, which, in this latitude, is usually from the 15th of March to the 10th of April. If properly hardened off, they are seldom injured by planting out too early.

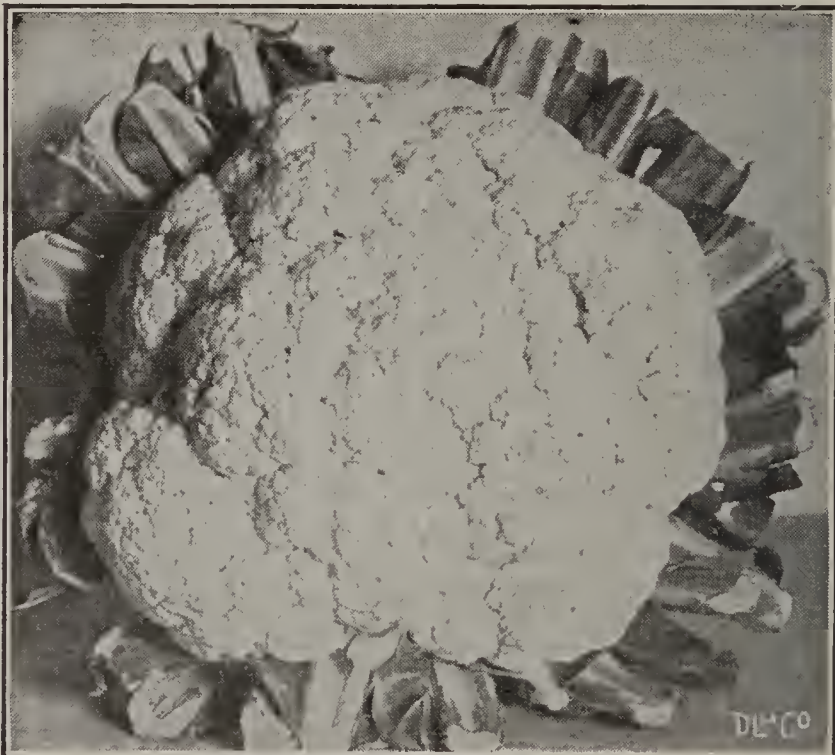
SELECT STRAIN SNOWBALL. 95 days. It is the earliest of all Cauliflowers. Heads of the Early Snowball are about one week earlier than any other sort. Every plant forms a fine head. In addition to its earliness and greater certainty to head than any other sort, its dwarf habit and short outer leaves allow it to be planted as close as 18 in. apart. For forcing under glass during Winter and Spring, this variety is particularly well adapted. Pkt. 15c., $\frac{1}{2}$ oz. \$1.00, oz. \$1.65, $\frac{1}{4}$ lb. \$5.50, lb. \$18.50.

DRY WEATHER. 95 days. Especially adapted to dry soils and long dry seasons. Heads large and pure white. Pkt. 15c., $\frac{1}{2}$ oz. 90c., oz. \$1.50, $\frac{1}{4}$ lb. \$5.00, lb. \$18.00.

Include with your Seed Order CUPROCIDE

Only proper protection of the seed before planting can safeguard against attacks by fungous diseases termed "Damping-Off."

4 ozs. 35c.; 1-lb. can 90c.



Select Strain Snowball Cauliflower

CELERY

German, Sellerie; Italian, Sadama; Polish, Selery

1 oz. will sow 100 ft. row and produce 3000 plants

Sow in open ground as soon as it is fit to work late in March or early in April. Keep clear of weeds until time for transplanting, in June or July. The tops should be shorn off once or twice before transplanting to insure stocky plants. When from 4 to 6 inches high, transplant into broad, shallow trenches nearly on the level, 3 feet apart and 6 inches in the rows. The soil should be light, highly manured and moist, or near water, as the plants must be freely watered in dry weather. Earthing up should not be begun until the plants are quite well grown; then earth up gradually, keeping the leaf stocks close together so that the earth may not fall into the center of the plant. Never earth up in wet weather or when the dew is on the plant. Celery for very late use which is earthed or bunched up early is liable to rust. When severe cold weather comes on, cover with leaves, hay or straw, and place boards on the top to keep out moisture. The covering must be put on gradually, else there will be danger of heating and consequent decay.

NEW GOLDEN PLUME or WONDERFUL. 115 days. Of robust habit, full heart of bright yellow color. It has resisted blight the past years. It is a market variety. It is listed under two names. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.30, lb. \$4.25.

EMPEROR or FORDHOOK. 130 days. Fall and Winter sort. Plant stocky, fully light yellow heart; stalks broad, thick and crisp, of superior quality. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. 85c., lb. \$2.75.

GOLDEN YELLOW SELF BLANCHING (French Strain). 125 days. This variety of Celery is of a yellowish green color but as they mature the inner stems and leaves turn a beautiful golden yellow which adds much to their attractiveness and makes the work of blanching much easier. The handsome color, crispness, tenderness, freedom from stringiness and fine, nutty flavor of this variety makes it desirable as an early sort. Pkt. 20c., oz. 70c., $\frac{1}{4}$ lb. \$2.25, lb. \$7.50.

UTAH STRAIN GIANT PASCAL. 140 days. A green sort, very brittle, but crisp and nutty in flavor. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. 85c., lb. \$2.75.

GOLDEN SELF BLANCHING ("American Dwarf"). 120 days. It simply needs a slight earthing-up or handling. It is a beautiful waxy, golden color, very solid and of a rich, nutty flavor. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.



Celery, Golden Self Blanching French Strain

EASY BLEACHER (Extra Strain). 130 days. A tall growing white variety of excellent quality. Blanches readily with boards. Grows well both on muck and upland. It is not so susceptible to blight as other self bleaching sorts and quality much better. A market variety to plant for profit. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$2.75.

WINTER QUEEN. 140 days. Late half dwarf Golden Heart type of more robust growth. Very good late market sort. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

EARLY WHITE PLUME. 115 days. This Celery is valued because naturally the stalk and portions of its inner leaves and heart are white. By simply tying up the leaves and drawing up the soil with the hoe, the work of bleaching is completed. It is ornamental, tender, crisp and of good flavor. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

CELERIAC or TURNIP ROOT CELERY

1 oz. will produce 3000 plants

A variety of Celery having Turnip-shaped roots which may be cooked and sliced and used with vinegar, making a most excellent salad. It is more hardy and may be treated in the same manner as Celery.

GIANT PRAGUE. 120 days. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$1.80.

CELERY SEED

CELERY SEED. For flavoring. $\frac{1}{4}$ lb. 35c., lb. \$1.25.

CELERY PLANTS

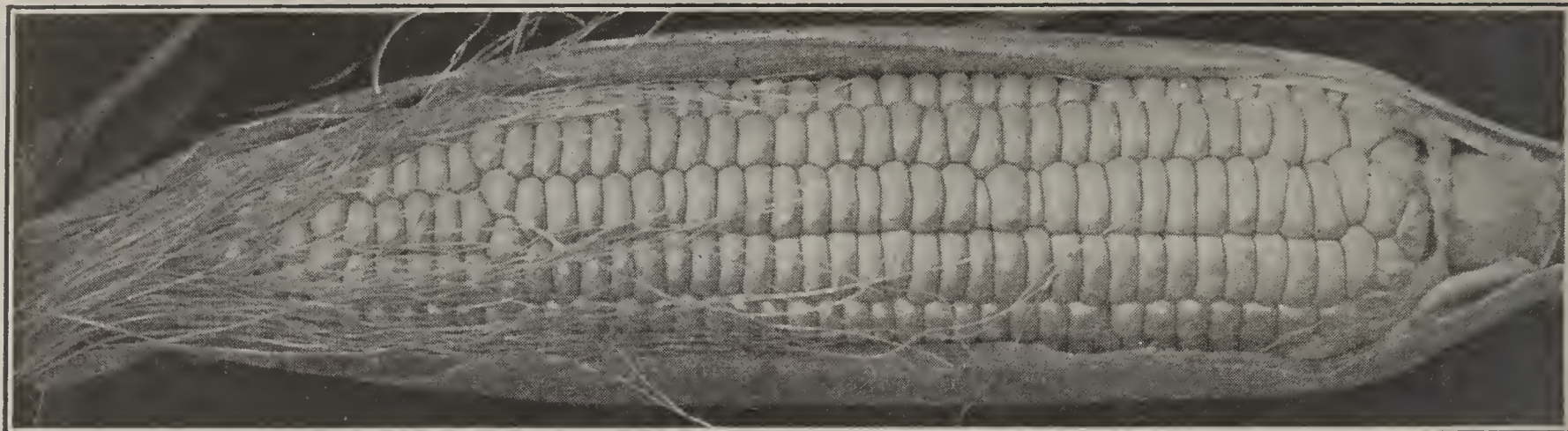
Ready July 10th

8,000 to 10,000 plants to an acre

Varieties same as list of seed. 100 65c., 1000 \$4.50 and 5000 or over, \$4.00 per 1000.



Celeriac, Giant Prague



Sweet Corn, Golden Cross Bantam

CORN—SWEET

German, Mais; Italian, Mais; Polish, Kukurydza

1 lb. will plant 75 to 100 hills, according to the variety. 12 to 15 lbs. will plant an acre. 150 lbs. will sow an acre broadcast for silage, or half that quantity in drills, 8 to 12 lbs. will plant an acre of yellow Field Corn in hill, one-third more in drill

Notice—These prices are subject to change without notice

All varieties of Sweet Corn may be either sown in rows 3 feet, 6 inches to 4 feet apart and the seeds planted at about 10 inches in the rows, or planted in hills at distances of 3 or 4 feet each way, according to the variety grown or richness of the soil in which it is planted. The taller the variety, or richer the soil, the greater should be the distance apart. We make our first plantings in this vicinity about the first of May, and continue successive planting for Sweet Sugar varieties every two or three weeks until the last week in July. In more southerly latitudes planting is begun a month earlier and continued a month longer.

Treat your Corn with SEMESAN JUNIOR before planting. A dust disinfectant for preventing and controlling the ear, root and stalk rots of Field and Sweet Corn

THE VANGUARD. 72 days. A first early white Sweet Corn similar to Early Burlington; ears medium in length, 6 to 7 in. long. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 10-lb. lots, 17c. per lb.; in 100-lb. lots, 15c. per lb.

GOLDEN BANTAM. 80 days. Dwarf, good garden sort of creamy yellow, very early; delicious flavor. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

GOLDEN GIANT. 78 days. Taller variety than Golden Bantam. Matures early. Ears good length, filled from butt to tip. Kernels regular, heavy yielder, excellent quality. $\frac{1}{2}$ lb. 12c.; lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

GOLDEN EVERGREEN. 80 days. Character similar to Stowell's Evergreen, except in color. A golden yellow; very sweet ears; large. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

WHIPPLE'S EARLY YELLOW. 76 days. A remarkable new yellow Sweet Corn of much merit. Ears 7 to 8 in. in length. Extremely early. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

WHIPPLE'S EARLY WHITE. 80 days. 5 to 6 ft. high, often two ears to stalks, 8 in. long. Grain deep on the evergreen type. Pearly white, very sweet. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

HOWLING MOB. 80 days. Ears measure from 7 to 9 in. in length. Grains are very white and sweet. Carries generally two ears to stalk and will prove a money maker in the market. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

EARLY EVERGREEN. 78 days. A second early; it has all the good qualities of Stowell's Evergreen. It is about 8 days earlier, a little shorter in the ear. Quality of the best. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

LONG ISLAND BEAUTY. 98 days. Ears are long, with 12 and 14 rows of pearly white grains, excellent quality. A very good market sort. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 16c. per lb.; in 100-lb. lots, 13c. per lb.

BLACK MEXICAN. 84 days. A variety with black grains; one of the sweetest of all kinds. Lb. 25c.; in 5-lb. lots, 21c. per lb.; in 10-lb. lots, 18c. per lb.

STOWELL'S EVERGREEN ("Eastern Stock, Sweetest Strain Known"). 90 days. A large variety of excellent quality, remaining longer in the green state than any other kind. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 15c. per lb.; in 100-lb. lots, 12c. per lb.

COUNTRY GENTLEMAN. 90 days. The popular Shoe Peg Corn. Ears medium size, deep grains in irregular rows on cobs and deliciously sweet, tender and milky. $\frac{1}{2}$ lb. 12c., lb. 20c.; in 5-lb. lots, 18c. per lb.; in 10-lb. lots, 16c. per lb.; in 100-lb. lots, 13c. per lb.

MARCCROSS GOLDEN. 70 days. This is Golden 60-day crossed with Purdue Bantam, and is wilt-resistant. A very desirable market variety. Lb. 35c.; in 5-lb. lots, 32c. per lb.; in 10-lb. lots, 30c. per lb.; in 100-lb. lots, 25c. per lb.

GOLDEN CROSS BANTAM. 88 days. One of the best of the hybrid Sweet Corns, having remarkable resistance to bacterial wilt disease, increased yield, ability to withstand adverse weather conditions, uniformity of the ears, and being 7 to 8 in. long, 10 to 14 rowed. $\frac{1}{2}$ lb. 20c., lb. 35c.; in 5-lb. lots, 32c. per lb.; in 10-lb. lots, 30c. per lb.; in 100-lb. lots, 25c. per lb.

WHIPCROSS. 72 days. Matures 3 to 4 days earlier than Whipple's, producing 8 to 14 rowed cylindrical ears 7 to 9 in. long. Resistant to the Stewart's disease, it is well adapted to New Jersey and Pennsylvania. $\frac{1}{2}$ lb. 20c., lb. 35c.; in 5-lb. lots, 32c. per lb.; in 10-lb. lots, 30c. per lb.; in 100-lb. lots, 25c. per lb.

POP CORN

WHITE PEARL. $\frac{1}{2}$ lb. 10c., lb. 20c.; in 10-lb. lots, 16c. per lb.

GIANT YELLOW. $\frac{1}{2}$ lb. 10c., lb. 20c.; in 10 lb. lots, 16c. per lb.

CORN, FIELD

Subject to Market Fluctuations

Treat your Seed Corn before planting with Semesan Jr. for disease control

Use Crow Repellent on Corn before planting.

VIRGINIA LARGE WHITE ENSILAGE. For fodder only; a very rapid grower and heavy foliage; one of the best silo Corns. Lb. 8c.; 10-lb. lots and over, 5c. per lb.; bus. \$2.75.

EUREKA WHITE ENSILAGE. 130 days. One of the most popular silo Corns. Lb. 8c.; 10-lb. lots, 5c. per lb.; bus. \$2.75.

BRISTOL EARLY. 100 days. A good standard early flat kernel white cap Corn. Lb. 8c.; 10-lb. lots and over, 5c. per lb.; bus. \$2.75.

GOLDEN DENT GOURD SEED. 110 days. This is a very productive and superior variety. The grains are very deep with small cobs. It is a vigorous grower and very popular in sections where the soils are light and sandy. Lb. 8c.; 10-lb. lots and over, 5c. per lb.; bus. \$2.75.

IMPROVED LEAMING. 105 days. The earliest, most productive and handsomest Yellow Dent Corn in cultivation. Lb. 8c.; 10-lb. lots, 5c. per lb.; bus. \$2.75.

LARGE YELLOW FLINT. 90 days. Productive and of good quality. Lb. 8c.; 10-lb. lots and over, 5c. per lb.; bus. \$2.75.

LANCASTER COUNTY SURE CROP. 110 days. Grows quite tall; a sure cropper, very few nubbins; will yield good crops on land that is not so fertile; ears, long, cob thin; top of grain rich yellow; when shelled, the grain has a reddish yellow cast; matures early; husks very easily. Lb. 8c.; 10-lb. lots, 5c. per lb.; bus. \$2.75.

WHITE CAP or WOODHULL. 100 days. One of the best standard sorts; light grain, large ear, medium size stalk, very productive. Lb. 10c.; 10-lb. lots and over, 5c. per lb.; bus. \$2.75.

BROOM CORN

CORN BROOM EVERGREEN. Carefully saved from selected brush. Lb. 25c.; 5-lb. lots and over, 23c. per lb.

CHICORY

1 oz. will sow 150 ft. of drill

WITLOOF CHICORY or FRENCH ENDIVE. 80 days. Drill seed 10 in. apart in June; let plants grow until November. Take up and trim to 1½ in. from neck, leaving 8 in., then plant upright 1½ in. apart in trenches 16 in. deep. Fill trench with good soil and manure. In four weeks the Endive will be ready for use and is eaten raw or cooked. Pkt. 10c., oz. 25c., ¼ lb. 50c., lb. \$1.50.

LARGE ROOTED or MAGDEBURG. Dried roots are roasted and used as a substitute for coffee. Roots 12 to 14 in. long. Cultivate the same as the Carrot. Pkt. 10c., oz. 15c., ¼ lb. 45c., lb. \$1.50.

ITALIAN (Ciccoria Catalogna). Also called Asparagus Chicory. A favorite in Italy and now grown in large quantities in this country. An annual, used for early greens, leaves and flower shoots. Very tender, with faint Asparagus flavor; may be cut several times in a season. Pkt. 10c., oz. 25c., ¼ lb. 70c., lb. \$2.00.

CHERVIL

1 oz. to 150 ft. of drill

CURLED. An aromatic sweet herb. The young leaves are used in soups and salads. Sow thinly in May, in drills ½ in. deep, 1 ft. apart. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

CUCUMBER*German, Gurken; Italian, Cetriolo; Polish, Ogorek*

1 oz. will plant 50 hills, 2 lbs. will plant an acre

Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about 4 feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil of each a shovelful of well-rotted manure. When all danger from frost is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be plucked when large enough, whether required for use or not, as if left to ripen on vines, destroys its productiveness.

LONGFELLOW. 74 days. A new, valuable sort. The fruit will average 12 to 14 in. long, 2½ in. in diameter. Straight, very dark green uniform color. Very attractive market fruit; a good grower. A second early. Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.35.

EARLY FORTUNE. 70 days. The finest type of White Spine yet produced. Early, very productive and disease-resistant fruits 9 to 10 in. long; color, dark green, which does not fade when shipped long distances. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 90c.

NEW DAVIS PERFECT. 70 days. Resembles a hothouse Cucumber. Long, straight, dark green in color; almost seedless. Equally good for outdoors and hothouse growing. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

EARLY IMPROVED WHITE SPINE. 70 days. It is a week earlier than the Early Improved White, wonderfully prolific. It retains a beautiful green color longer than any other sort; size medium; an excellent slicing sort. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 90c.

FORDHOOK FAMOUS. 65 days. Vines produce enormous crop, being of unusually vigorous growth, with large, thick, heavy leaves, which withstand the attacks of insects. Fruit perfectly smooth and *very dark green and handsome*. Fruits measure 10 to 12 in. long. They are always straight, never turn yellow and are very solid. Pkt. 10c., oz. 20c., ¼ lb. 40c., lb. \$1.00.

NATIONAL PICKLING. 56 days. A highly desirable pickling strain developed at the Michigan Agricultural College in collaboration with the National Pickle Packer's Association. Fruits weigh 1½ lbs.; dark green, symmetrical, square ended; uniform. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 90c.

A. & C. SPECIAL. 70 days. Spines white, fruits 10 by 2½ in., very dark green, which they hold for a long time; robust and resistant to disease. Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.50.



Chicory, Italian

CUCUMBER—Continued

BOSTON PICKLING. 58 days. It is largely used about Boston by market gardeners. A very productive kind, of superior quality. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 85c.

LONG GREEN or JERSEY PICKLE. 60 days. A fine fruit of excellent quality, dark green, firm and crisp; very productive. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.00.

CHIVES*German, Schnittlauch*

A mild flavor of Onion kind. Very desirable greens for flavoring meats, soups, cottage cheese, etc. Sold in clumps. Each 10c., doz. \$1.00.

COLLARDS or SPROUTS

GEORGIA. 80 days. This is a tall, looseleaf, Cabbagelike plant, grows 2 to 3 ft. high, forming a cluster of tender modulated leaves at the top of its rather long stem; used as "greens" in the South and West. Sow and plant like Cabbage or Kale. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 60c.

CORN SALAD or FETTICUS

1 oz. will sow 125 ft. of row

A vegetable used as a salad and sold to a considerable extent in our markets. It is sown on the first opening of Spring in rows 1 foot apart, and is fit for use in six to eight weeks from time of sowing. If wanted to come in early Spring, it is sown in September, covered up with straw or hay as soon as cold weather sets in and is wintered over exactly as Spinach.

LARGE-LEAVED. 40 days. Pkt. 10c., oz. 20c., ¼ lb. 45c., lb. \$1.60.

CRESS, or PEPPER GRASS

1 oz. will sow 50 ft. of row

A well known, pungent salad. Requires to be sown thickly and covered very lightly at frequent intervals to keep up a succession as it soon runs to seed.

EXTRA CURLED. 40 days. Very fine; may be cut two or three times. Pkt. 5c., oz. 15c., ¼ lb. 25c., lb. 65c.

WATERCRESS. 50 days. Pkt. 10c., oz. 40c., ¼ lb. \$1.00, lb. \$3.50.

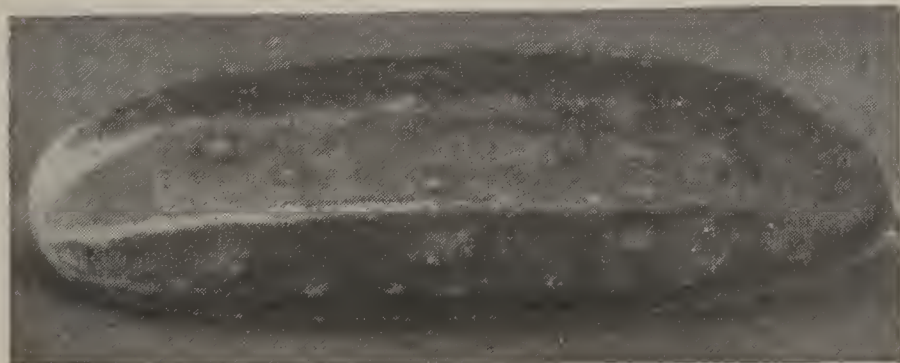
DANDELION*German, Lowenzahn; Italian, Denti di Leone; Polish, Papawa*

1 oz. will sow 150-ft. row

IMPROVED THICK-LEAVED. 50 days. A very early and healthful Spring salad. Sow early in the Spring, in drills, 18 in. apart and thin out to 6 in. in the drills. Pkt. 10c., oz. 35c., ¼ lb. \$1.25, lb. \$4.50.

DILL HERB (70 days)

Used extensively for culinary use and for putting with Cucumber when pickling, producing the famous Dill pickles. Pkt. 5c., oz. 15c., ¼ lb. 25c., lb. 75c.



Cucumber, Imp. White Spine

EGGPLANT

German, Eierpflanze; Italian, Petronciano; Polish, Gruszka

1 oz. will produce about 1000 plants

The Eggplant will thrive well in any good garden soil but will repay good treatment. The seed should be sown in hotbeds the second week in March, care being taken to protect the young plants from cold at night. Plant out about June 1st, about 2½ feet apart. If no hotbed is at hand, sufficient plants may be raised for a small garden by sowing a few seeds in common flower pots or boxes in the house.

IMPROVED NEW YORK SPINELESS. 85 days. The habit of the plant is low and branching, and is quite free from spines both on the plant or calyx of the fruit, which are of the largest size and most perfect form. Pkt. 10c., oz. 35c., ¼ lb. \$1.20, lb. \$3.75.

EARLY BLACK BEAUTY. 82 days. Earlier than any other sort. Fruit, jet black, holding its black color during its maturing season. Very productive with uniform size fruit. Pkt. 10c., oz. 35c., ¼ lb. \$1.20, lb. \$3.75.

EGGPLANT (Pot Grown)

Ready May 1st

EARLY BLACK BEAUTY. In pots. Each 8c., doz. 75c., 100 \$4.00. Out of seed beds, doz. 35c., 100 \$1.75. Boxed plants, each 5c., doz. 50c.

Special prices on application, in quantities

INCLUDE WITH YOUR SEED ORDER

SEMESAN. A seed disinfectant. Place a small quantity of Semesan with seeds in a container, and shake vigorously for a few minutes; bacteria and fungous spores that may be adhering to the seeds will be killed. 2 ozs. 35c., lb. \$2.25, 5 lbs. \$9.90.

ENDIVE

German, Endivien; Italian, Endiva; Polish, Endywia

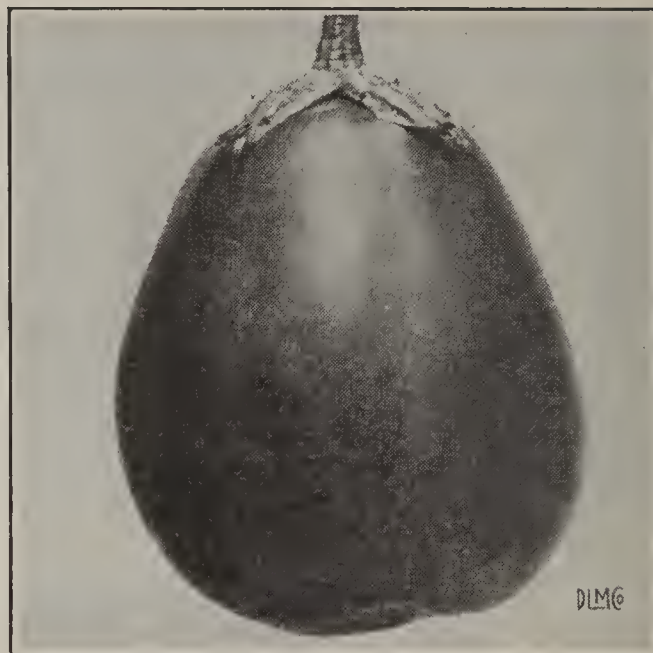
1 oz. will sow a 100-ft. row

Endive is one of the best salads for Fall and Winter use. Sow for an early supply about the middle of April. As it is used mostly in the Fall months, the main sowings are made in June and July, from which plantations are formed 1 foot apart in each way, in August and September. It requires no special soil or manure and after planting, is kept clear of weeds until the plant has obtained its full size, when the process of blanching begins. This is effected by gathering up the leaves and tying them by their tips in a conical form with bass mating. This excludes the light and air from the inner leaves, which in the course of from three to six weeks, according to the temperature at the time, become blanched. Another and simpler method consists in covering up the plants as they grow with slats or boards, which serves the same purpose—by excluding the light—as the tying-up.

GREEN CURLED. 90 days. Very hardy, leaves dark green, tender and crisp. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 95c.



Batavian Broad-leaved, or Escarolle Endive



Eggplant, Black Beauty

FRENCH MOSS CURLED. From the density of its foliage this variety is heavier than the Green Curled, equally agreeable as a salad and either green or blanched is particularly handsome. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

FULLHEART BATAVIAN BROAD-LEAVED or ESCAROLLE. 90 days. Leaves broad, light green, nearly plain. used in stews and salads. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. 95c.

WHITE CURLED. 100 days. Leaves pale green, grows to a large size; always crisp and very tender. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 95c.

FENNEL SWEET or FLORENCE

Annual; height 2 feet; fine, feathery foliage. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

GARLIC

Used for flavoring soups, stews and other dishes. Garlic thrives best in a light, well-enriched soil. The sets should be planted in early Spring in rows 1 foot apart and from 1 to 5 inches between the plants in the rows. The crop matures in August when it is harvested like the Onion.

GARLIC SETS. Lb. 25c.

HERBS

(Sweet Pot and Medicinal Herbs)

No garden is complete without a few herbs for culinary and medicinal purposes and care should be taken to harvest them properly. This should be done on a dry day, just before they come in full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in the Spring, in shallow drills, 1 foot apart, and when well up thin out or transplant to a proper distance apart.

ANISE (*Pimpinella anisum*). 55 days. Biennial. Pkt. 10c., oz. 15c., ¼ lb. 35c.

BASIL, SWEET (*Ocimum basilicum*). 60 days. Annual. 6 ft. Pkt. 10c., oz. 20c., ¼ lb. 50c.

BORAGE (*Borago officinalis*). 60 days. Excellent for bees. Annual. 3 ft. Pkt. 10c., oz. 20c.

CARAWAY (*Carum carvi*). 60 days. Perennial; 2 ft. Pkt. 10c., oz. 15c., lb. \$1.00.

CORIANDER (*Coriandrum sativum*). 50 days. Annual; 2 ft. Pkt. 10c., oz. 15c., ¼ lb. 35c.

DILL (*Anethum graveolens*). 70 days. Biennial; 3 ft. Pkt. 5c., oz. 15c., lb. 75c.

FENNEL, SWEET (*Anethum foeniculum*). 60 days. 6 ft. Pkt. 10c., oz. 15c., lb. \$1.25.

HOREHOUND (*Marrubium vulgare*). Perennial; 2 ft. Pkt. 10c., oz. 35c., lb. \$3.50.

LAVENDER (*Lavandula spica*). 60 days. Perennial; 2 ft. Pkt. 10c., oz. 35c., ¼ lb. \$1.15.

MARJORAM, SWEET (*Origanum marjorana*). 70 days. Annual; 1 ft. Pkt. 10c., oz. 30c., ¼ lb. \$1.00.

PEPPERMINT. Pkt. 25c.

ROSEMARY (*Rosemarinus officinalis*). An aromatic herb. Pkt. 10c.

RUE (*Ruta graveolens*). Perennial; 3 ft. Pkt. 10c., oz. 35c.

SAFFRON. Pkt. 10c., oz. 35c.

SAGE (*Salvia officinalis*). 70 days. Annual; 1 ft. Pkt. 10c., oz. 25c., ¼ lb. 75c.

SUMMER SAVORY (*Satureia hortensis*). 60 days. Annual; 1 ft. Pkt. 10c., oz. 25c., ¼ lb. 50c., lb. \$1.50.



Kale, Green Curled Scotch

HERBS—Continued

THYME, BROADLEAVED (*Thymus vulgaris*). 70 days. Perennial; 1 ft. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

WORMWOOD (*Artemisia absinthium*). Perennial. Pkt. 10c., oz. 35c.

KALE, or BORECOLE

German, Blatterkohl; Italian, Cavola Verde; Polish, Solanka

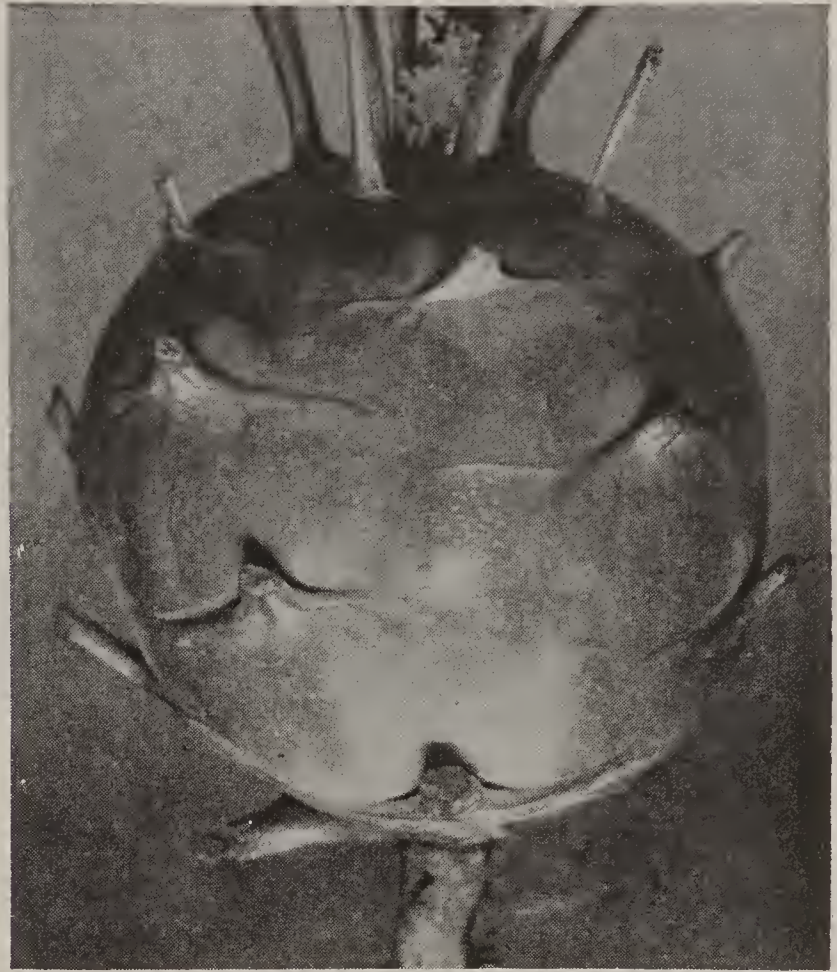
1 oz. will produce about 2000 plants

Kale or Borecole may be grown in almost any soil but the richer it is the more abundant the product. Sow from the middle of April to the beginning of May, in prepared beds, covering the seeds thinly and evenly; transplant in June and treat in the same manner as for Cabbage. Of all the Cabbage tribe, this is the most tender and delicate and would be much more extensively grown than it is if its excellent qualities were generally known. The varieties are all extremely hardy and are best when touched by frost.

TALL GREEN CURLED SCOTCH. 60 days. Hardy plants with leaves deeply cut; curled at the edges, light green in color; very tender after exposure to frosty weather. 36 to 48 in. high. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

GREEN CURLED SCOTCH. 55 days. A rather dwarf variety, growing about 18 in. in height, but spreading under good cultivation to 3 ft. in diameter. Leaves of a bright green, beautifully curved. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

SIBERIAN CURLED or DWARF GREEN GERMAN. 60 days. This variety grows a little larger and coarser than the preceding. The leaves are not so deeply curled and are of a bluish green color. Very hardy. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Kohl-rabi, Early White Vienna

KOHL-RABI

German, Knollkohl; Italian, Carolo Rapa; Polish, Kalarepa

1 oz. will produce about 2000 plants

A vegetable intermediate between the Cabbage and the Turnip. It is best cultivated by sowing the seed in rows in April to July, according to the latitude. In this district we sow through May for succession, in rows 18 inches apart, thinning out to 8 inches between the plants. It is rather difficult to transplant, and it is generally preferable to sow the whole crop from the seed and thin out where it stands, although when the weather is favorable the thinning may be planted at the distance above named.

EARLY WHITE VIENNA. 60 days. Flesh white and tender. The best market sort. Excellent for table use. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

EARLY PURPLE VIENNA. 60 days. Different from the above in color, which is of a bluish purple. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

LETTUCE

German, Salad; Italian, Lettuga; Polish, Salata. 1 oz. will sow about 100-ft. row

The cultivation of Lettuce is universal by all who have gardens and from its tractable nature and freedom from nearly all insects and disease, it is manageable in the hands of everyone. For main early crop, seed may be sown in the open ground middle of September, and transplanted to coldframes as soon as large enough to handle, being wintered over in the same manner as early Cabbage, in dry, well sheltered spots, by covering up with leaves or litter late in the season. Lettuce plants may be saved over Winter without glass covering, in southern parts of the country without difficulty. The plants for setting out in the Spring are also sown in coldframes in February and in hotbeds in March, and by carefully covering up at nights, makes plants to set out in April; but these are never so good as those wintered over. For successive crops, sowings may be made in the open ground as early as Spring opens, until July.

BIG BOSTON. 75 days. This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but it is double the size. It is about a week later in maturing, but its solidity and greater size of head will make it a most desirable variety either for forcing or open ground planting. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 90c.

EARLY CURLED SILESIA. 40 days. This variety, properly speaking, does not head, but forms a compact, close mass of leaves. The earliest and leading market sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 85c.

SIMPSON, BLACK-SEEDED CURLED. 40 days. Large, loose curly head, light color; a good Summer sort. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 85c.

MAY KING. 63 days. An early, hardy Lettuce. One of the best varieties to plant in Fall for under glass or early Spring forcing. Heads large and solid, of light green color, close outer leaves; one of the best market sorts. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 95c.

GRAND RAPIDS. 40 days. An excellent early variety compact, curly, waxy, and heavily fringed leaves of a light green color. Will head very slightly. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 85c.

CHICKEN LETTUCE. A hardy, tall growing, dark green leaved variety, producing the largest amount of leaves of any Lettuce; grown entirely for poultry and rabbit feed. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb., 30c., lb. 80c.



Romaine or Cos



Lettuce, Large New York, No. 515

LETTUCE—Continued

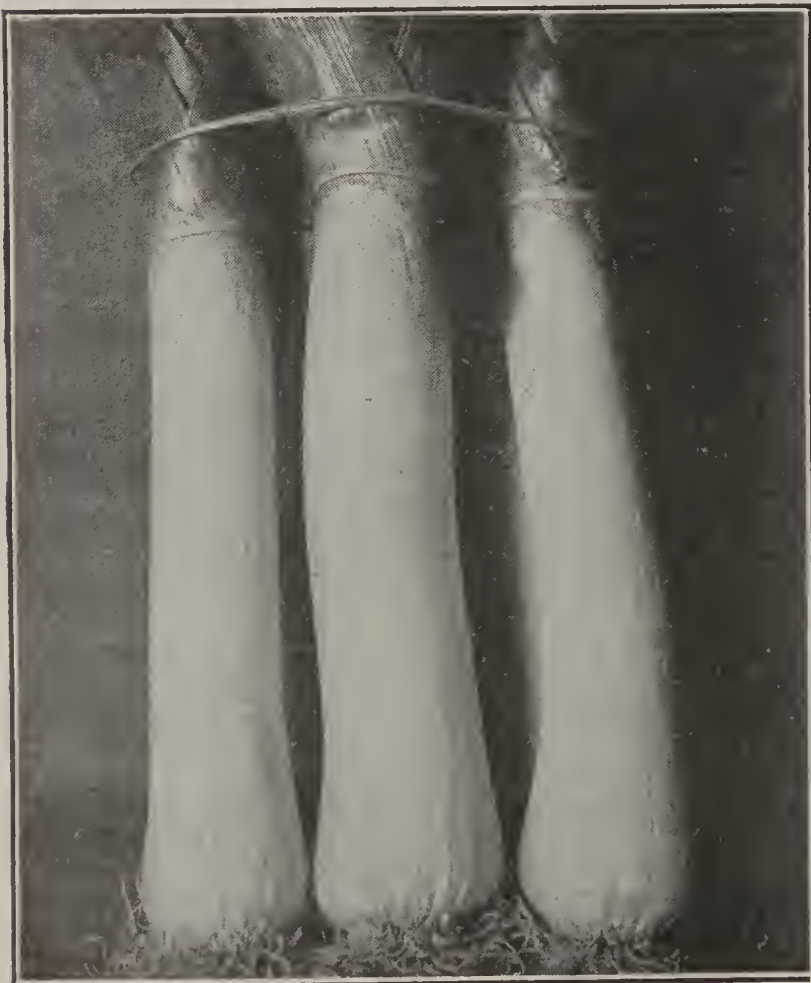
LARGE NEW YORK or NO. 515. 73 days. It is an improvement over New York No. 12; of unusual size and solidity of head, mostly as solid as an early Summer Cabbage, which in general form it somewhat resembles. The variety blanches itself naturally, is crisp, tender, and of excellent flavor, and always free from bitterness. This variety is not subject to tip burn and is one of the best for Spring use ever introduced. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

ROMAINE or PARIS WHITE COS. 55 days. Forms long, upright heads of narrow leaves, which are crisp and refreshing; withstands the Summer heat. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

ICEBERG. 84 days. A large, hard-heading curled variety, very crisp. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

SALAMANDER. 72 days. The Salamander is the best variety for Summer use, forming good-sized, compact heads. Color, light green outside and white on the inside. Its great merit, however, is that it will withstand drought and heat and remain longer in head than any other variety. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

WAYAHEAD. 63 days. Quality very fine, heads firm, excellent for both coldframes and open ground. It is the surest header of all Lettuce. It will stand longer than any other Lettuce before going to seed. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.



Leek, Giant Musselburg

LEEK

German, Lauch; Italian, Porro; Polish, Pory

1 oz. will sow a drill of about 100 ft.

The Leek is very hardy and easily cultivated. It succeeds best in light but well enriched soil. Sow as early in Spring as practicable, in drills 1 inch deep and 1 foot apart. When 6 to 8 inches high, they may be transplanted in rows 10 inches apart each way, as deep as possible, that the neck being covered, may be blanched. If fine Leeks are desired, the ground can hardly be made too rich.

LARGE AMERICAN FLAG. A favorite market variety. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$2.00.

GIANT MUSSELBURG. A hardy sort. Leaves fan shape, dark green. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$2.00.

MANGEL WURZEL or CATTLE BEETS

(See under head of BEETS)



MUSHROOM SPAWN

German, Schwamm; Italian, Flingo Pralajo; Polish, Gryzb

1 brick will spawn 10 sq. ft.

Mushrooms may be cultivated much easier than is generally supposed. They can be grown in a cellar or shed or in beds prepared in the open air same as hotbeds. Culture upon application.

AMERICAN SPAWN. Pure culture. Brick 35c., \$4.00 per doz.

USE SEMESAN

For prevention of wilt, damping-off and other root diseases.

MUSKMELON

German, Zucker Melone; Italian, Popone; Polish, Melon

1 oz. will plant about 75 hills, 2 lbs. will plant an acre

Melons thrive best in moderately enriched light soil. The hills should be 6 feet apart each way. Previous to planting, incorporate well with the soil in each hill in a couple of shovelfuls of thoroughly rotted manure. Plant out fifteen seeds in each hill early in May and when well up, thin out to three or four of the most promising. Pinch off the leading shoots as the growth becomes so luxuriant, and if the fruit sets out numerously, thin out when young, which will increase the size of those remaining and cause them to ripen quicker.

HALE'S BEST, No. 936. 85 days. Since its introduction this variety has displaced some of the older popular favorites by its outstanding merit. An early Melon, ripening in 70 to 80 days. The nearly round fruits are normally 6 to 6½ in. long, densely covered with medium heavy netting and are almost devoid of ribbing. The flesh is very thick and fine grained, deep salmon pink in color and richly flavored. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

HEART OF GOLD or HOODOO. 94 days. Midseason; flesh thick, deep salmon color, of high quality, fruit medium size, round. Tendency to heart shape, gray netted, well ribbed. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. 90c.

EXTRA EARLY KNIGHT or SUGAR SWEET. 70 days. An extremely early medium size Melon of the Rocky Ford type, very sweet. Color, medium green, closely netted. It is the earliest high quality Melon grown in the Northern states. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. 90c.

FORDHOOK. 85 days. Orange flesh roughly netted, the flesh very thick, resembles Jenny Lind in shape. Very strong, vigorous grower, branching frequently, setting five to nine Melons close to hill. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 90c.

ROCKY FORD. 92 days. Nutmeg shape, small to medium in size, pale green, finely netted, flesh green, quality very fine. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. 90c.

PAUL ROSE or OSAGE. 90 days. This salmon fleshed Muskmelon surpasses anything yet introduced. The color is of a beautiful netted gray underlaid by dark green rind; the flavor is delicious; flesh, salmon, very thick and extraordinarily sweet, size of the Netted Gem. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 90c.

EXTRA EARLY HACKENSACK. 75 days. A week to ten days earlier than the old Hackensack. Small foliage. Profitable for market. Most in demand in New York and eastern markets. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. 90c.

HONEY DEW (Green Fleshed). 110 days. Grown largely in Southern California; fruits large, globular; weight 5 to 7 lbs.; surface smooth with practically no netting; creamy white. Flesh light emerald green, thick, ripening to the rind; juicy and tender. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.



Muskmelon, Hales Best No. 936

WATERMELONS

German, Wasser-Melone; Italian, Melone d'Aqua; Polish, Melon Wodny

Cultivate exactly as for Muskmelon, except that the hills should be just double the distance apart, namely, 8 and 10 feet.

KLECKLEY'S SWEET IMPROVED. 80 days. Most popular for home market. Medium size, oblong; dark green color; flesh bright scarlet; solid heart; crisp, sugary and entirely free from stringiness. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

TOM WATSON. 90 days. Large, oblong Melon, dark green skin, with thick netting; rind thin, tough; flesh, bright red; very sweet. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 70c.

DIXIE. 85 days. Large, dark rind Melon, oblong; quality good, an excellent market sort. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

HALBERT HONEY. 80 days. Shape oblong, dark green rind; flesh, crimson and very sweet. Medium early, similar to Kleckley's Sweet, seed white. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

LONG LIGHT ICING or GRAY MONARCH. 85 days. A very large, long, light rind Melon; flesh crimson. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

SWEETHEART. 90 days. One of the best market Melons. Flesh bright red, solid and very tender, melting and sweet. The Melons retain their good quality for a long time after ripening. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 70c.

STONE MOUNTAIN. 90 days. Also called Dixie Bell. A high quality shipping variety; fruits large, oval-round with blunt ends; dark green with tough rind. Flesh rich scarlet; fine grained and sweet. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.



Watermelon, Stone Mountain

MUSTARD

1 oz. will sow a 100-ft. row

A pungent salad, used sometimes with Cress. Sow thickly in rows and cut when about 2 inches high. For use during Winter it may be sown at intervals in boxes in the greenhouse or in a frame. For a crop of seed sow in April, in drills 1 foot apart and thin out moderately when about 3 inches high.

OSTRICH PLUME. 40 days. Leaves double curled, dark green which curve outward like a fine Ostrich Plume. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

WHITE LONDON. 30 days. Best for salad. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

BROWN or BLACK. 30 days. More pungent in flavor than the white. Pkt. 5c., $\frac{1}{4}$ lb. 15c., lb. 50c.

SOUTHERN GIANT CURLED. Most popular sort for greens. Leaves long and wide, light green, heavily crumpled and curled at edge. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

NASTURTIUM, or INDIAN CRESS

1 oz. will sow 25-ft. row

The seeds, while young and succulent, are pickled and used as capers. The plants are also highly ornamental; the tall variety makes an excellent screen or covering for unsightly places in the garden.

TALL NASTURTIUM. Choice colors. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.

DWARF NASTURTIUM. Choice colors. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

OKRA or GUMBO*German, Ocher; Italian, Ocra; Polish, Gumba*

1 oz. will plant 50 hills or 75-ft. drill

This vegetable is extensively grown in the southern states. Its long pods when young are used in soups, stews, etc. and are believed to be very nutritious. It is of easiest culture and grows freely, bearing abundantly in any ordinary garden soil. It is sown at the usual time of all tender vegetables, in drills 2 inches deep, setting the plants from 2 to 3 feet apart.

IMPROVED DWARF GREEN. 50 days. Early and productive. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

LONG GREEN. 60 days. Long ribbed pods. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

PARSLEY*German, Petersilie; Italian, Prezzemolo; Polish, Pietruska*

1 oz. will sow 125-ft. row

Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly, there are four weeks elapsing sometimes before it makes its appearance; it should be sown early in Spring, previously soaking the seeds a few hours in tepid water. Sow thickly in rows 1 foot apart and $\frac{1}{2}$ inch deep. For Winter use protect in a frame or light cellar.

CHAMPION MOSS CURLED. 70 days. A very select stock beautifully crimped and curled. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 65c.

HAMBURG or TURNIP ROOTED. 90 days. The edible roots resemble a small Parsnip and it is esteemed for flavoring soups, stews, etc. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 65c.

DOUBLE CURLED. 70 days. A fine dwarf variety, beautifully curled. Excellent for garnishing. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 65c.

PLAIN PARSLEY. 60 days. The leaves of this sort are plain; it is harder than the curled variety; good for flavoring. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 65c.



Onion, Early Prizetaker



Parsley, Double Curled

ONION*German, Zwiebel; Italian, Cipollo; Polish, Cebula*

1 oz. will plant 50 hills or 75-ft. drill. 5 lbs. will sow an acre for growing large Onions; 50 to 60 lbs. per acre for growing sets

The Onion thrives best in a rather strong, deep, rich loamy soil. The ground should be deeply trenched and manured the previous Autumn and laid up in ridges during Winter to soften. As early in Spring as the ground is in working order, sow thinly in drills about $\frac{1}{4}$ inch deep and 1 foot apart, cover with fine soil.

When the young plants are strong enough, thin gradually, so that they stand 3 or 4 inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply or to collect it about the growing bulbs.

EARLY PRIZETAKER. 100 days. This Onion grows uniform in shape, of a nearly perfect globe, with thin skin, of a clean, bright straw color. It is of immense size, measuring from 12 to 16 in. in circumference, while under special cultivation specimens have been raised to weigh from 4 to 6 lbs. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.85.

SOUTHPORT WHITE GLOBE. 110 days. A handsome globular Onion of mild flavor and a good keeper; one of the very best. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

OHIO YELLOW GLOBE. 120 days. Rich orange in color; large, globe shape, flat bottom. Large yielder; also good keeper. One of the best market sort. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.85.

SOUTHPORT RED GLOBE. 130 days. Differs from the Southport Yellow Globe only in color. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.85.

JAPANESE or EBENEZER. 112 days. Yellow Onion that will keep all Winter. Of mild, pleasant flavor, of large size; a good early set Onion. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.85.

YELLOW GLOBE DANVERS. 110 days. An excellent variety, fine flavored and very productive. Ripens early and is a good keeper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c., lb. \$1.85.

WHITE PORTUGAL or SILVER SKIN. 100 days. A handsome Onion, of mild flavor and a good keeper. Extensively grown for pickling. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

WETHERSFIELD LARGE RED. 110 days. The staple variety of the eastern Onion growers. Of large size, flat on bottom, deep red in color, excellent keeper. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

SOUTHPORT YELLOW GLOBE. 115 days. A favorite Yellow Globe variety in the market of New York and Boston. Solid and a good keeper. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.85.

YELLOW BERMUDA. 92 to 94 days. A very early, medium sized flat sort, sometimes called White Bermuda. Skin light straw color, thin and loose; flesh nearly white, sweet and mild. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., lb. \$2.75.

ONION SETS (Extra Fine)**Subject to Market Fluctuation**

32 lbs. standard weight to a bushel of Onion Sets

YELLOW. Lb. 15c.; in 32-lb. lots, 10c. per lb.**RED.** Lb. 20c., in 32-lb. lots, 15c. per lb.**WHITE.** Lb. 20c.; in 32-lb. lots, 15c. per lb.**PARSNIPS***German, Pastinake; Italian, Pashtinca; Polish, Pasternak*

1 oz. will sow 100-ft. drill; 5 lbs. will sow an acre

Sow as early in the Spring as the weather will admit, in drills 15 inches apart, covering $\frac{1}{2}$ inch deep. When well up, thin out to 5 or 6 inches apart in the rows. Unlike Carrots they are improved by frosts and it is usual to take up in the Fall a certain quantity for Winter use, leaving the rest in the ground until Spring, to be dug up as required.

IDEAL HOLLOW CROWN. Resembles Hollow Crown but roots slightly shorter, free from side roots, uniform tender and of fine flavor. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c. lb. 75c.

HOLLOW CROWN or GUERNSEY. Most commonly used of all varieties. Roots 12 to 14 in. long, hollow crowned and uniformly tapered. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

PEAS*German, Erbsen; Italian, Pisello; Polish, Broch*

60 lbs. to the bushel for Round Smooth sorts; 56 lbs. for the Wrinkled sorts

1 lb. will plant about 50-ft. row, 60 to 80 lbs. will plant an acre

Peas come earliest to maturity in light, rich soil. For general crops, a deep, rich loam or a strong inclination to clay is best. For early crops, decomposed leaves or leafmold should be used; or, if the soil is very poor, stronger manure may be employed. For general crops, a good dressing should be applied and for the dwarf growing kinds the soil can hardly be too rich. When grown as a market crop, Peas are never staked and are sown in single rows, 2 or 3 inches deep and from 3 to 4 feet apart, according to the variety or the strength of the soil. When grown in small quantities, for private use, they are generally sown in double rows, 6 or 8 inches apart and the tall varieties are staked up by the brush. For an early crop, sow in March, as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June, sowing should be discontinued until the middle of August when a good crop can sometimes be secured by sowing an early sort.

WORLD'S RECORD. 55 days. An improved type of Gradus but a few days earlier. Vines light green; pods single, broad, containing 7 to 8 large tender Peas of good quality. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.60, 100 lbs. \$14.00.

EARLY ALASKA. 55 days. A green-seeded extra early Pea. Very desirable. Green, smooth Pea. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.50, 100 lbs. \$12.00.

NOTT'S EXCELSIOR. 60 days. One of the older varieties, similar to American Wonder. Vines dark green, medium, stocky; pods are single, blunt, round, plump, and well filled with 6 to 7 medium sized tender Peas. Seeds wrinkled. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.60, 100 lbs. \$14.00.

EARLY GRADUS or PROSPERITY. 60 days. A popular second early, large podded variety. Vines medium green, stocky; pods single, broad, plump, pointed, containing 8 to 10 large, sweet, delicious Peas. Seed wrinkled. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.60, 100 lbs. \$14.00.

PILOT. 62 days. A large, nearly smooth Pea. Can be sown along with Alaska and early Peas. Will produce a pod as big as Gradus and three days earlier. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.50, 100 lbs. \$14.00.

BLUE BANTAM. 65 days. Extra early dwarf wrinkled Pea. Averages 15 in. high, bears enormous crops, pods deep bluish green, pods $4\frac{1}{2}$ in. long, bear 8 to 10 peas. Pods twice the size of American Wonder and ready to pick at same time. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.60, 100 lbs. \$13.00.

LAXTON'S PROGRESS. 62 days. The largest podded and most attractive of the Laxtonian family. Vines 18 in. high, pods 4 to 5 in. long, containing 8 large Peas of good quality. Wrinkled. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.60, 100 lbs. \$14.00.

**Parsnip, Hollow Crown**

EARLY THOMAS LAXTON. 65 days. This fine early Pea was raised by crossing "Gradus" (Prosperity) with a very early seedling of the "Earliest of All" type. It is wrinkled, with a good constitution. Pods contain on the average of 7 to 8 very large Peas of the richest flavor. The height is from 3 to $3\frac{1}{2}$ ft. $\frac{1}{2}$ lb. 12c., lb. 20c., in 10 lb. lots, 16c. per lb.; in 100 lb. lots, 14c. per lb.

TALL TELEPHONE. 75 days. A very fine wrinkled late Pea. Vines are heavy and vigorous, $4\frac{1}{2}$ ft. high, and produce an abundance of pods, 5 to 7 in. long, containing 8 to 10 peas of unequaled flavor. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.60, 100 lbs. \$13.00.

DWARF TELEPHONE. 75 days. Possesses the quality of Carter's Telephone, except it grows half the height. This makes it an exceptionally valuable market sort; green wrinkled. $\frac{1}{2}$ lb. 12c., lb. 20c., 10 lbs. \$1.60, 100 lbs. \$13.00.

**Peas, World's Record**



Pepper, Chinese Giant

PEPPERS

German, Pfeffer; Italian, Peperone; Polish, Pierprz

1 oz. will produce 1200 plants

Grown largely for pickling. Sow in hotbed early in April and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows, 18 inches apart, between rows, 3 feet.

CALIFORNIA WONDER. 120 days. An outstanding medium late variety. Plants vigorous, upright, prolific. Fruits 4-lobed, chunky, smooth, deep green changing to bright crimson; flesh thicker than any other variety, sweet and mild. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

SWEET GOLDEN QUEEN. 125 days. A popular yellow variety, of sweet and mild flavor, resembling Ruby King in shape and size. Fruits 3-lobed, tapered, deep green, becoming attractive yellow. Pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.35.

HUNGARIAN YELLOW WAX. 110 days. A first early, hot sort, plants dwarf, fruits medium slender, tapering, smooth, and very pungent. Color waxy yellow changing to bright crimson at maturity. Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.35.

WORLDBEATER. 115 days. One of the very best of the large Peppers. Fruit 4-lobed, 5 in. long by 3 $\frac{1}{2}$ in. in diameter; flesh very thick and mild, exceedingly productive and a good shipper. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

NEAPOLITAN SWEET ITALIAN. 90 days. Something extra fine. Large fruit, red color; sweet. Ripens earlier than Ruby King. Good cropper. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

CHINESE GIANT. 130 days. The largest Pepper known. Its mammoth size, splendid shape, beautiful rich, glossy flesh, mild flavor and enormous productiveness commend it as one of the best market varieties ever introduced. Pkt. 15c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.25.

RUBY KING. 110 days. An exceedingly large and handsome Pepper; the fruits are of a bright ruby red. From 4 $\frac{1}{2}$ to 6 in. long by 3 $\frac{1}{4}$ to 4 in. in diameter, which makes it one of the largest of Peppers. The flavor is remarkably mild and it can be sliced and eaten with pepper and vinegar like Tomatoes and Cucumbers, or it can be used as a salad. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

HOT BULL NOSE. 120 days. An early variety, of sharp flavor; rind thick and fleshy; color, brilliant red; shape, oblong. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

LONG RED CAYENNE. 100 days. Fruit brilliant coral red; conical; from 3 to 4 in. in length; very productive. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

RUBY GIANT. 115 days. A variety which is of a desirable size and shape for stuffing. A cross of Ruby King and Chinese Giant; grows to large size and is very mild. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

PEPPER PLANTS

Ready May 1st

Prices subject to fluctuation

RUBY KING, CALIFORNIA WONDER, WORLDBEATER and CAYENNE. Out of seed bed. Doz. 10c., 100 75c. Transplanted plants. Doz. 20c., 100 \$1.25.

POTATO

8 to 12 bushels will plant an acre, according to the kind of machine used, also distances planted

The Potato, like all robust-growing vegetables, can be grown with varying success on soils of all kinds and in all conditions of fertility, but the soil best suited to it is a sandy loam. In all heavy soils it is more subject to a disease and the flavor is much inferior. In breaking up good pasture land, the decaying sods answer sufficiently well for the first year in lieu of manure. Manure is applied either in rows or hills, or broadcast over the ground and plowed in—the latter in most cases being preferable. If the soil is good, but little manure is required. In highly enriched soil the plants are more liable to disease than when grown in soil that is naturally good. The best fertilizers are those of a dry or absorbent nature. Plant as early in Spring as the ground can be had in fair working order, in hills or ridges about 3 feet apart, covering in light, warm soil, about 4 inches deep, but in cold, wet situations, 2 or 3 inches will be sufficient.

Prices subject to variation

60 lbs. to a bushel

Treat seed with Semesan Bel before planting. See page 62.

Special prices given on large quantities

We handle Certified Seed Potatoes only. Seed stock grown in the north is far superior to that grown elsewhere.

IRISH COBBLER. Early, round, chunky, 85-day sort. Quality of the finest; popular for home market. Peck 60c., bus. \$1.90, sack of 150 lbs. \$4.50.

GREEN MOUNTAIN. Shape oval, white skin, big cropper and splendid cooker. Peck 60c., bus. \$1.90, sack of 150 lbs. \$4.50.



Potato, Irish Cobbler

PUMPKIN

German, Kurbiss; Italian, Zucca; Polish, Bania

1 lb. will plant 250 hills

Pumpkins are now principally cultivated for agricultural purposes. They are usually planted in fields of Corn or Potatoes, but may be profitably raised in fields by themselves. Sow first in May, in hills 8 feet apart.

LARGE CHEESE. 108 days. Fruits very flat, weight 10 lbs. slightly ribbed, cream color; flesh very thick, orange yellow and of fine quality. Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

CONNECTICUT FIELD. 120 days. Extensively grown for making pies, canning and for stock feed. Fruits large, flat, deep orange and of good quality. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

GOLDEN CUSHAW CROOKNECK. 115 days. Fruits crookneck, medium large, weigh 10 to 12 lbs., skin golden yellow, smooth, yellow flesh, sweet and dry. Pkt. 5c. oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 85c.

KING OF THE MAMMOTH. 85 days. Grows to immense size, often weighing over 100 lbs. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 85c.

WINTER LUXURY. 100 days. Grows uniformly to a diameter of 10 to 12 inches and is enormously productive. It is a beautiful golden yellow, finely and closely netted, like a netted Muskmelon. As a Winter keeper and cooking variety it stands unexcelled and is one of the very best for either home use or market. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

SWEET POTATO TENNESSEE. 80 days. Buff yellow skin, medium size oblong fruit. Flavor resembles mashed sweet Potatoes. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

RADISH

German, Radies; Italian, Ravanello; Polish, Rzodkiew

1 oz. will sow 100 ft. of drill

Radishes thrive best in a light rich, sandy loam. For a successive crop supply, sow from the middle of March until September at intervals of two or three weeks. For an early supply they may be sown in a gentle hotbed in February.

EARLY SCARLET WHITE TIP. 26 days. So rapid in growth as to develop in 26 days. Grows round and very symmetrical and uniform in shape; color a bright scarlet, white tip. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. 70c.

CRIMSON GIANT. 28 days. Will grow to an unusually large size. It is always tender, crisp and of mild flavor. It remains in perfect condition for a long time. Color, a beautiful crimson. It will force well, but is especially adapted for outdoor growing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

THE EARLIEST, or SAXA. 22 days. Excellent for forcing. Roots small, spherical, $\frac{7}{8}$ in. in diameter, bright scarlet in color; flesh white, crisp and mild. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., 70c. per lb.

EARLY SCARLET GLOBE. 24 days. An excellent forcing variety and well adapted for field culture, roots globular with small top, bright scarlet, crisp, tender and of fine quality. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

LONG SCARLET SHORT TOP. 27 days. A standard sort for market and private gardens, roots 5 to 6 in. long, smooth, crisp, and tapering. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

ROSE CHINA WINTER. 52 days. A popular Winter sort. roots 4 to 6 in. long, flesh white, and slightly pungent. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

WHITE CHINESE WINTER, or CELESTIAL. 60 days. Roots large, 8 in. long, cylindrical, with heavy shoulder; flesh white, crisp and rather mild in flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

CHARTIER or LONG ROSE. 35 days. Decidedly distinct in appearance from any Radish in cultivation. The color at the top is crimson, running into pink about the middle and from thence downward it is pure waxy white. It will attain a very large size before it becomes unfit for table. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

EARLY LONG WHITE ICICLE. 27 days. The flavor of this new sort is very mild, and it is invaluable for slicing. The top is short; flesh very crisp and tender; very attractive when bunched. It matures in 27 days from time of sowing the seed and remains in prime condition for eating for fully two weeks. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

EARLY SCARLET TURNIP. 26 days. Very delicate in flavor; one of the best early sorts. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

FRENCH BREAKFAST. 25 days. A variety of quick growth very mild and tender. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

STRASBURG WHITE. 40 days. Suitable for market and private gardens. It is of the tapering shape, both skin and flesh white. It is an excellent Summer variety, being tender and crisp and of fine flavor and a quick grower. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

WHITE SUMMER TURNIP. 30 days. Large white, excellent for Summer use; very good market sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

BLACK SPANISH, LONG. 65 days. One of the hardiest and best for Winter use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

BLACK SPANISH ROUND. 60 days. Good keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Spinach, Savoy Long Standing



Radish, Early Scarlet Globe

HORSERADISH

50c. a dozen roots

RHUBARB

MYATT'S VICTORIA. Cherry red in color, stalks immense, cook splendidly, are not stringy. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

SALSIFY or OYSTERPLANT

German, Haferwurzel; Italian, Sassefrica; Polish, Jarzy Ostnyga

1 oz. will sow 50 ft. of drill

SANDWICH ISLAND MAMMOTH. 90 days. The Oyster-plant succeeds best in light, well-enriched, mellow soil which, previous to sowing the seed, should be stirred to a depth of 18 in. Sow early in the Spring in drills 15 in. apart; cover the seed with fine soil $1\frac{1}{2}$ in. in depth and when the plants are strong enough thin out to 6 in. apart. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 55c., lb. \$1.50.

SORREL

LARGE-LEAVED. Has large leaves, can be cut five or six times, perfectly hardy. Leaves light green, quality very fine and not as broad as Spinach leaves. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

SPINACH

German, Spinat; Italian, Spinace; Polish, Szpinak

Notice—Owing to market conditions, all prices on Spinach are subject to change without notice

1 oz. will sow 75 ft. of drill; 15 lbs. will sow an acre

This is a very important crop in our market gardens, it is one of the most easily managed of all vegetables, requiring but little culture and may be had fit for use one entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during the Winter, which prevents it from being cut with the frost but in sheltered fields here there is no necessity for covering. For Summer use it may be sown at intervals of two or three weeks, from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

NEW ZEALAND. 70 days. This variety thrives in hot, dry weather. The large plants have small, thick, pointed, deep green leaves, which can be picked repeatedly throughout the season. Pkt. 5c., $\frac{1}{4}$ lb. 20c., lb. 45c.

KING OF DENMARK. 50 days. Leaves are large, round, somewhat crinkly and deep green. Plants grow quickly and vigorously, but will not shoot to seed as quickly as all other sorts. Pkt. 5c., $\frac{1}{4}$ lb. 15c., lb. 35c., 5 lbs. for \$1.25.

BLOOMSDALE SAVOY GENUINE. 39 days. The best market sort. Pkt. 5c., $\frac{1}{4}$ lb. 15c., lb. 35c., 5 lbs. \$1.25, 10 lbs. \$2.00, 100 lbs. \$18.00.

BLOOMSDALE SAVOY LONG STANDING. 42 days. It holds 12 to 14 days longer before throwing seed stalks than the regular Bloomsdale. Excellent for shipping; crumpled, blistered with dark green leaves. Pkt. 5c., $\frac{1}{4}$ lb. 15c., lb. 35c., 5 lbs. \$1.25, 10 lbs. \$2.00, 100 lbs. \$18.00.

SAVOY-VIRGINIA YELLOW RESISTANT. 45 days. Bloomsdale type, but absolutely blight resistant. Pkt. 5c., $\frac{1}{4}$ lb. 15c., lb. 35c., 5 lbs. \$1.25, 10 lbs. \$2.25, 100 lbs. \$20.00.

SQUASH

German, Fisch-Kurbiss; Italian, Zucca; Polish, Miekurz

Among Early Bush sorts, 1 oz. of seed will plant 25 hills; 1 oz. of Trailing varieties, 10 hills; 3 to 4 lbs. to an acre

Squashes are of luxuriant and vigorous growth and although they will grow readily on almost any soil, they will well repay generous treatment. Like all vegetables of this class, it is useless to sow until the weather has become settled and warm. Light soils are best suited for their growth. Prepare hills for the seeds in ordinary manner by incorporating two or three shovelfuls of well rotted manure with the soil for each hill. For the bush varieties, from 3 to 4 feet each way and for the running sort, from 6 to 8 feet. Eight to ten seeds should be sown to each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants.

WARTED HUBBARD. 95 days. Fruit larger and more heavily warted than the regular Hubbard. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

BOSTON MARROW. 95 days. A much-esteemed variety coming about ten days later than the bush sorts; a good keeper, and of unsurpassed flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 70c.

GOLDEN HUBBARD. 100 days. It is orange-red in color and excellent, fine flavor; grows to good size and of a very fine quality; very productive and keeps well. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

ITALIAN VEGETABLE MARROW. 65 days. Long greenish white variety, very sweet and tender; fine for cooking. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

WHITE BUSH SCALLOPED. 50 days. An early market variety; excellent for shipping. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

IMPROVED GREEN HUBBARD. 105 days. A general favorite and more largely grown as a late sort than any other; of large size, flesh fine grained, dry and of excellent flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.



Squash, Boston Marrow

BUSH SUMMER STRAIGHT-NECK. 55 days. Same color and quality as Yellow Summer Crookneck. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 85c.

BUSH SUMMER CROOKNECK. 56 days. Early productive and of good quality; fruit orange yellow, covered with warty excrescences. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

SWISS CHARD—Turn to page 20

TOBACCO SEED

IMPORTED HAVANA. Pkt. 10c., oz. 40c., lb. \$3.50.

TOMATO

German, Liebesapfel; Italian, Pomodoro; Polish, Pomidor

1 oz. will produce about 1200 plants

This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first of March in drills 5 inches apart and $\frac{1}{2}$ inch deep. When the plants are about 2 inches high they should be set out 2 to 3 inches apart in another hotbed, or removed into small pots, allowing a single plant to a pot. They are sometimes transplanted a second time into larger pots, by which process the plants are rendered more sturdy and branching. About the middle of May the plants may be set in the open ground. They are planted for early crops on light, sandy soil at a distance of 3 feet apart in hills in which a good shovelful of rotted manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted 4 feet apart. Water freely at the time of transplanting and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot and placing it in a sunny window of the room or kitchen.



Tomato, Marglobe

SPARKS' EARLIANA IMPROVED. 90 days. The earliest smooth Red Tomato of good size and flavor now in cultivation. It is a very compact grower and consequently can be planted one-third closer than any other early sort. If you grow early Tomatoes don't miss planting it. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

MARGLOBE. 100 days. It is a good grower, producing large quantity of perfect fruit of globular shape of a scarlet color. Ripening up to the stem. Very fleshy, of a high quality and of good average size. Second early. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

CERTIFIED MARGLOBE. 100 days. Pkt. 15c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

PRITCHARD'S SCARLET TOPPER. 95 days. New early dark red, small Tomato. Grows open with fruit in large clusters. Pkt. 15c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

BONNY BEST. 100 days. An extra early bright red Tomato; smooth, large and productive. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$2.75.

GREATER BALTIMORE. 110 days. This variety is one of the largest and most perfectly shaped varieties in cultivation. Ripens evenly and early and holds its size to the end of the season. It is very prolific, has few seeds, solid flesh, a good canning variety and bears shipping long distances. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., lb. \$2.75.

OXHEART. 118 days. Shaped like a heart, fruit very large and solid with very few seeds; skin is pink and mild flavored. Excellent for home use. Pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.75, lb. \$7.00.

RUTGERS. 100 days. This new Tomato was developed by crossing Marglobe with J. T. D. The Rutgers produces large plant, thick stems, large leaflets, and fruits. Larger than Marglobe. Dark red and tend to flatten out more than Marglobe. Low acidity and good canner. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. 85c., lb. \$3.25.

CERTIFIED RUTGERS. Pkt. 15c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

TOMATOES—Continued

YELLOW PONDEROSA. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

PONDEROSA. 115 days. The largest Tomato in cultivation, very solid and fine cropper. Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.35, lb. \$4.50.

NEW STONE (Selected Strain). 115 days. Very large, perfectly smooth bright scarlet, solid; very productive, valuable for market gardeners and canners. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

YELLOW PLUM. 100 days. A beautiful variety. Used principally for pickling and preserves. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

RED CHERRY. 100 days. A small, early variety; size and shape of Cherry. For pickling. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

TOMATO PLANTS

Ready May 1st

EARLY EARLIANA, BONNY BEST, MARGLOBE, RUTGERS and STONE, TRANSPLANTING PLANTS. Doz., 15c. to 35c.; 100, \$1.25 to \$1.50; 1000, \$8.00 to \$10.00, according to stockiness of plants; doz. 75c., grown in 3-in. pots.

TURNIP

German, Weisse Rube; Italian, Navone; Polish, Rzepa Brukiew

1 oz. will sow 125 ft. of drill, $1\frac{1}{2}$ to 2 lbs. will sow one acre

Turnips do best on highly enriched light, sandy or gravelly soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart and thin out early to 6 or 9 inches in the rows. For a succession, sow at intervals of a fortnight until the last week in July, from which time until the end of August sowings may be made for the Fall and main crops. Turnips may be preserved until Spring by cutting off the tops about 1 inch from the bulbs and storing in a cellar or cool shed during Winter, covering the roots with dry sand; they should be harvested before severe frosts set in, for, though comparatively very hardy, few of the varieties will survive the Winter of the northern states in the open ground.

WHITE EGG. 60 days. Flesh very thin and fine grained, thin and perfectly smooth skin and both flesh and skin are of snowy whiteness. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

YELLOW GLOBE. 70 days. One of the best American varieties for general crop. Flesh very firm and sweet and keeps well until late in Spring. Grows to a large size and is excellent both for stock and table use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

WHITE FLAT DUTCH. 50 days. An excellent variety, resembling White Strap Leaf. The best variety for Spring sowing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

EARLY SNOWBALL. 48 days. A medium sized, round, pure white variety of excellent flavor. For early sowing this is one of the best, being crisp, tender and sweet. Maturing in about six weeks from time of sowing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

RED TOP STRAP LEAF. 50 days. Rapid grower and mild flavor; the popular variety for early use, either for the table or stock. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

PURPLE TOP WHITE GLOBE. 60 days. An early variety, globe-shaped; in other respects similar to the Red Top Strap Leaf. A handsome looking bulb and is rapidly taking the lead of all other varieties of early Turnip for market garden purposes. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Tomato, Yellow Plum

GOLDEN BALL, ROBERTSON'S. 60 days. Rapid grower, excellent flavor, globe-shaped and of a beautiful bright yellow color; a good keeper and has no superior for table use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

SEVEN TOP. A very hardy sort, grown principally for greens. Popular throughout the South. The young shoots are very tender. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

RUTABAGA

(Russian or Swedish Turnip)

The Rutabaga, Russian or Swedish Turnip, are extensively grown for a farm crop. The roots are close grained, very hard, and will endure a considerable degree of cold without injury. The roots are best preserved in a pit or cellar during the Winter and are excellent for the table early in Spring. Sow from 20th of June to the middle of July, in drills 3 feet apart and thin out to 8 inches.

IMPROVED AMERICAN (PURPLE TOP). 90 days. The leading variety, very hardy and productive. Flesh yellow, solid, sweet and finely flavored. Equally good for stock or table use. The principal variety raised by market gardeners. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Turnip, White Egg

Prices Subject to Market Fluctuations

BARLEY

48 lbs. to a bushel

BARLEY. Beard, bus. \$1.75.**BEANS**

For Soiling, Fodder and Hay

SOJA BEANS, Mammoth. Yellow seed. Do equally well on both light and medium heavy soils. The use of this crop is increasing very rapidly in all sections and is proving to be one of the most valuable and important forage and cover crops for the farmer. Bus. \$2.00.**WILSON SOJA.** Black seed. Very early, good grower. Height about 3 ft. Best sort of Soja to grow in New Jersey for soil enricher. Excellent for hay. Bus. \$1.90.**HARBIN SOJA.** New Yellow seed, early and good cropper. Excels Wilson's Black Soja. Good for hay. Bus. \$2.75.**BUCKWHEAT**

48 lbs. to a bushel

NEW JAPANESE. Kernel twice the size of the ordinary variety. It is earlier and more productive. Flour very fine. Bus. \$1.90.**OATS**

32 lbs. to the bushel

TARTAR. Large grain, large straw and a large cropper. A side Oat. The only Oat to grow with Canada Field Pea for green fodder for cattle feeding. Lb. 10c.; 15 lb. lots, 6c. per lb.; bus. of 32 lbs. \$1.00.**PEAS AND COW PEAS**

for Fodder and Soiling

Special Prices on Quantity Subject to Market Fluctuations

Sow 60 to 75 lbs. to an acre

CANADA WHITE. Sow with Oats. Side Oats are preferred, being a stronger grower and heavier in grain. No green forage is so profitable to milch cows as this feeding. Lb. 10c.; 15-lb. lots and over, 7c. per lb.; bus. of 60 lbs. \$3.50.**COW PEAS, BLACK and GRAY WHIPPOORWILL.** Best variety as a soil enricher. Also for hay and pasture for cattle and hogs. It is the cheapest method to make poor land rich. Lb. 10c.; 15-lb. lots and over, 7c. per lb.; bus. \$3.00.

German Millet



Barley



Oats, Tartar



Hairy, or Winter Vetch



Wilson Soja Bean

RAPE

Sow 10 to 12 lbs. to an acre

DWARF ESSEX. Does well to sow with Oats, Southern Cow Peas and Sweet Fodder Corn. If well grown this is the best and cheapest pasture for hogs. By itself it is excellent as good green food for poultry, sheep and hogs. Lb. 15c., 15-lb. lots, 10c. per lb.; 100-lb. lots, 9c. per lb.**RYE, WINTER**

A valuable catch crop. Lb. 5c.; 15-lb. lots and over, 4c. per lb.; bus. \$1.75.

SORGHUM
or **AMBER SUGAR CANE**

Great fodder producer and very nutritious for cattle and stock feeding; it can be cut down several times in a season. Very profitable for a dairy farm and hog raising. Lb. 15c., 15-lb. lots and over, 8c. per lb.; \$3.50 per bu. 50 lbs.; \$7.00 per 100 lbs.

VETCHES**SPRING** (*Vicia sativa*). Sow 40 to 50 lbs. to an acre. Highly valuable for soiling or for green manuring. Sometimes grown with Oats for forage. Makes excellent cutting in June for cattle. Lb. 15c., 15-lb. lots and over, 10c. per lb.; 100-lb. lots, 7c. per lb. (60 lbs. to a bushel.) \$4.20.**HAIRY or WINTER** (*Vicia villosa*). Sow 40 to 50 lbs. to an acre. It is noted for its hardiness and is highly valuable as a Winter cover crop. It is used for forage and fertilizing purposes, will live over Winter in well-drained soils. It is a biennial, but drops its seeds freely and will come up year after year. If sown in September will make an excellent forage for following Spring. Will yield 1½ to 4 tons per acre. Lb. 15c.; 15-lb. lots and over, 14c. per lb.; 100-lb. lots, 12c. per lb. (60 lbs. to a bushel.)**WINTER WHEAT**

60 lbs. to a bushel

PENNSYLVANIA 44. Has a very large, hard berry. Bearded. One of the best red Wheats. Lb. 7c.; 15-lb. lots, 5c. per lb.; bus. \$2.00.**LEAP'S PROLIFIC BEARDLESS.** A first-class milling wheat. Lb. 7c.; 15-lb. lots, 5c. per lb.; bus. \$2.00.

DUST GRAIN SEEDS with **SEMESAN** and **ANSUL FORMALDEHYDE**, destroys Smut and Fungus. See pages 61 and 62 under Insecticides.

Coldwell Dependable Power and Hand Lawn Mowers

We sharpen and repair Lawn Mowers in our own shop by experienced mechanics. Free delivery

The Coldwell Lawn Mower Co. is among the largest lawn mower manufacturers confined exclusively to the production of lawn mowers of quality and type of machine suitable for every requirement of small and large lawns, parks and golf courses. Coldwell Power Mowers are all equipped with steel rollers which pack and level the soil, which helps to retain the moisture, and a better grown lawn is had with continuous cutting and rolling at same time. Coldwell Power Mowers are very desirable for rolling the lawn early in Spring.

All prices subject to change with market conditions

STANDARD COLDWELL "L" JUNIOR

A medium size power mower and roller. 25 in. cut, 1½ h.p. engine, \$273.50 delivered.

SUPER TWIN 30

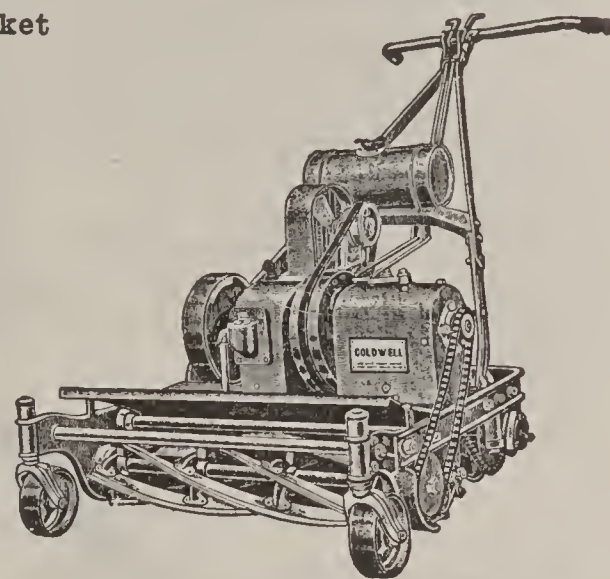
The same type of mower and roller as Twin L. 30 in. cut, 2¾ h.p. engine, just the mower for a large estate. Cut 6 to 8 acres per day. \$400.00 delivered. Grass box, \$19.75, Riding sulky, steel wheels, \$15.00.

INTERSTATE

The Interstate is a lawn mower of unusual quality and medium priced, substantially built and recommended for general use. It is equipped with large bearings which makes for ease in operation and insures a long period of usefulness. 10 in. wheel, cutter 6 in. diameter with five blades. 16 in. \$12.85, 18 in. \$13.60.

RED TOP WHEEL TYPE

A new light weight power mower 21 in. cut at a moderate price. Delivered \$199.50.



COLDWELL "SUPER L TWIN"

Nothing better can be had for a large lawn, 25 in. cut, 2¾ h.p. engine. \$360.00 delivered. Grass box, \$17.25. Riding sulky, steel wheels, \$15.00. Units can be attached to this mower to make it cut 60 inches, \$440.00 delivered.

VASSAR

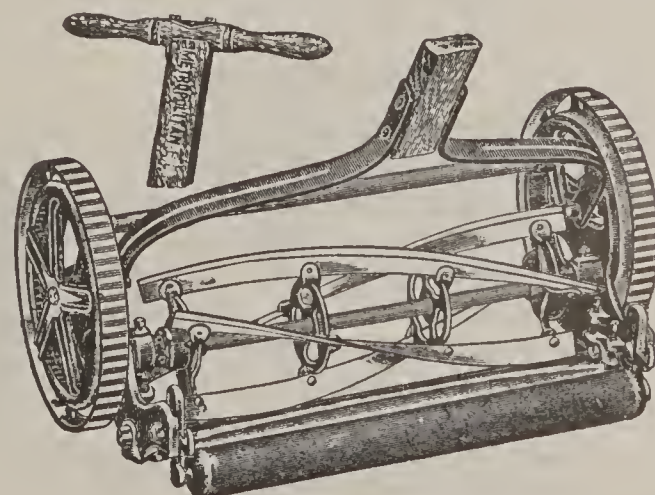
A light weight all purpose mower with steel drive wheel which eliminates danger of breakage over concrete walks and driveways. 16 in., 10 in. wheel, 5 blade, ball bearing, \$13.75, 18 in. \$14.50.

COLDWELL'S "METROPOLITAN" (Ball Bearing)

A light weight, high wheel mower designed to meet the demand for a machine of lighter construction at a moderate price. With 10 in. wheel and five blades. 16 in. \$8.80, 18 in. \$9.20.

METROPOLITAN

4 blade, 14 in. and 16 in., 10 in. wheel ball bearing. 14 in. \$8.10, 16 in. \$8.35.



COLDWELL'S "AMBASSADOR"

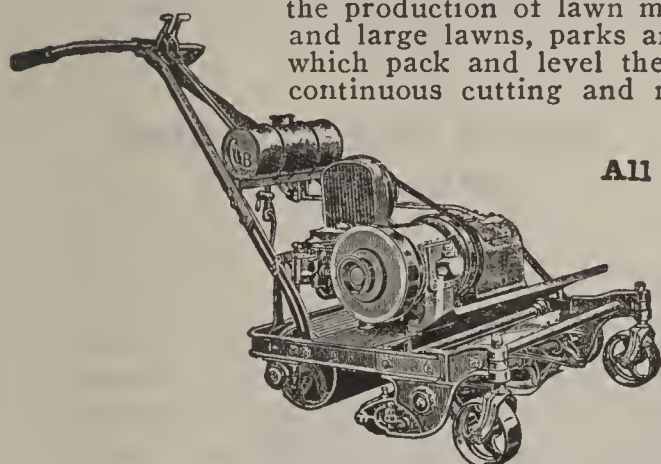
A high grade, light weight lawn mower. Positively the best five-blade, 10 in. wheel ball-bearing machine made. 16 in. \$19.25, 18 in. \$20.25, 20 in. \$21.25.

CRUSADER

14 in. and 16 in., 9 in. wheel, 4 blades and ball bearing. 14 in. \$7.75, 16 in. \$8.00.

COLDWELL LAWN TRIMMER

This Trimmer is made to meet the demand to cut grass close to a building or border. 8 in. cut. Price \$8.85.



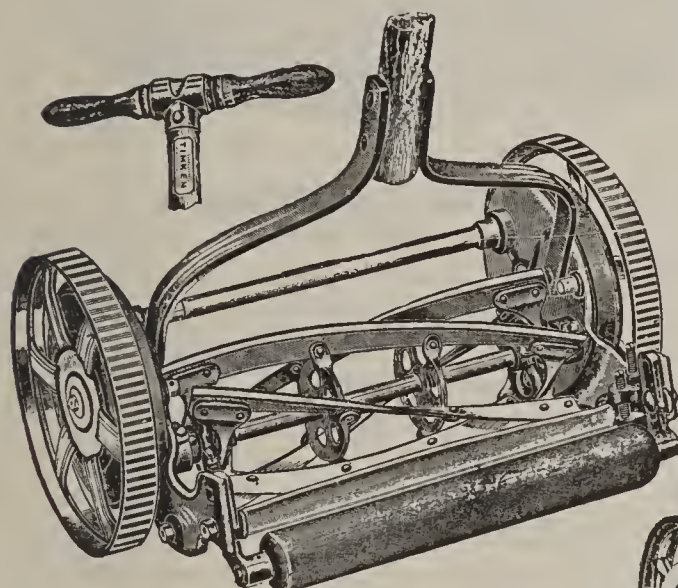
COLDWELL STANDARD CUB

An ideal small type of power mower and roller; just the nicest mower for small lawns. 21 in. cut, 1½ h. p. engine, \$235.00 delivered.

SUPER CUB \$255.00

COLDWELL'S "BROWNIE"

A power mower 19 in. cut wheel type, \$108.50 delivered. Rubber tires, \$121.00.

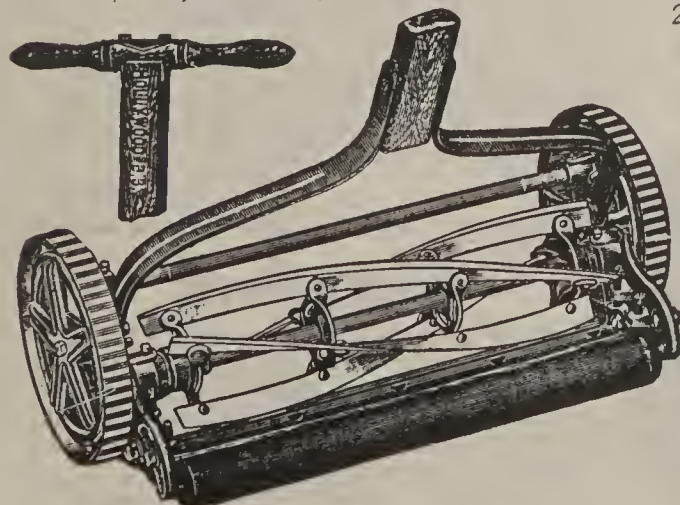


COLDWELL'S "IMPERIAL BALL BEARING"

Designed to meet the demands of large lawns, park and cemetery work; 5 blades, triple pawl ratchet in each drive wheel, dirt proof gear case. Ball-bearing 10½ in. wheels, 6-spoke open style. 16 in. \$21.50, 18 in. \$22.75, 20 in. \$24.00.

COLDWELL'S HOLLYWOOD

Attractive, well constructed mower for small lawn; 8 in. wheel, 4 blades ball-bearing mower. 12 in. \$7.30, 14 in. \$7.45, 16 in. \$7.65.



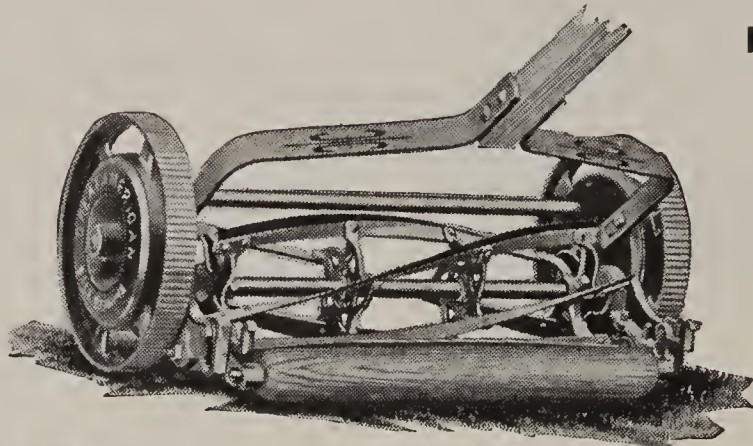
PENNSYLVANIA QUALITY LAWN MOWERS

The Pennsylvania Lawn Mower Works, established since 1877, enjoys an enviable reputation of making one of the countries leading assortment of lawn mowers. They cost a great deal more to make and slightly more to buy, but the service they give ultimately makes them cheaper. They last so long the cost is forgotten.

STAYTITE HANDLES

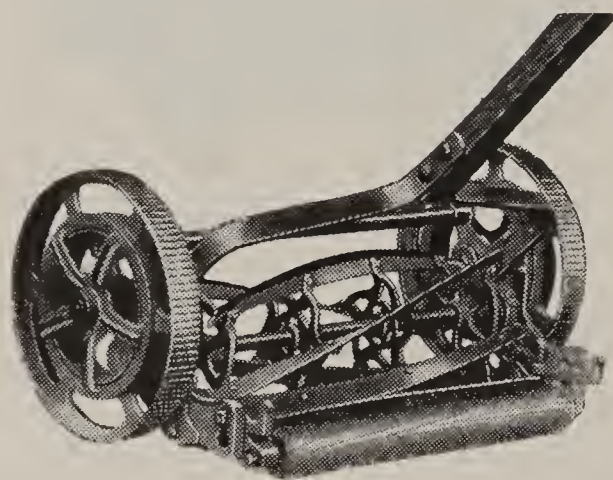
"The Mark of a Good Mower"

This handle is the mark of quality and identifies all Pennsylvania Quality Mowers. Adjustable—any shrinkage of the wood is taken up by tightening the two bolts holding the steel clamps. Attractively varnished handles of quality wood.



BRAUN SELF-ALIGNING BALL BEARING

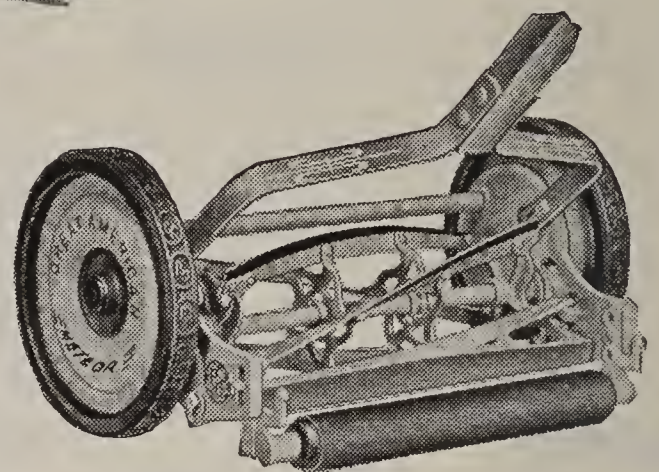
This unique and revolutionary feature insures a 100% ball contact in both bearings regardless of alignment or any twist or strain which the mower may be subjected. The Braun Bearing is rigid and tight under all conditions.



THE GREAT AMERICAN

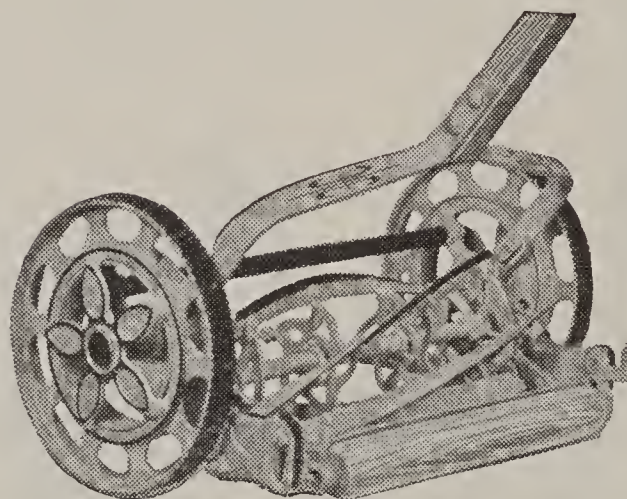
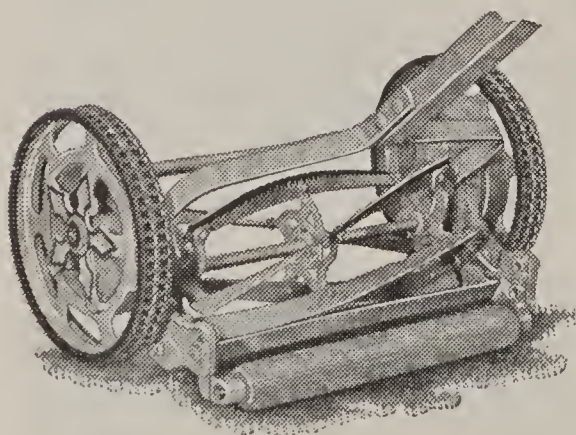
The **Great American** lawn mower is a masterpiece of mechanical perfection. Extremely easy to push, equipped with self-aligning ball bearings and easy to regulate height of cut, makes this the ideal home lawn mower. 10 in. solid center wheels, 5 crucible steel blades, self-sharpening bottom blade, 6 in. cylinder.

15 in. cut.....	\$16.45
17 in. cut.....	18.75
19 in. cut.....	20.95



GOLD CROWN

An honestly built household mower of high quality; cuts smoothly, pushes easily, and requires practically no service throughout the season. All parts are accurately machined and fitted, insuring quiet, smooth running. 10 in. wheel, 5 steel blades, 6-in. diameter cylinder, one size 16 in.....\$8.95



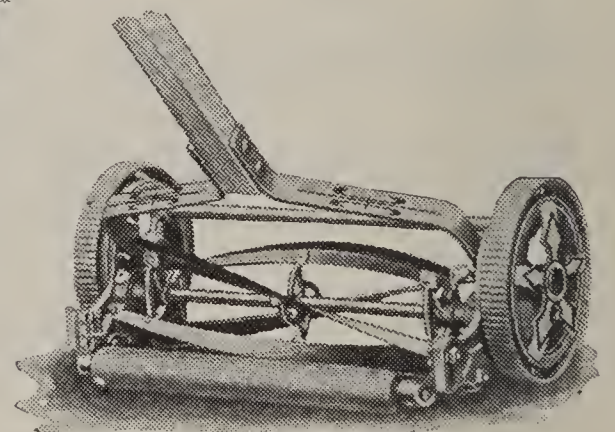
GREAT AMERICAN METEOR

This new mower weighs only 35 lbs. complete, has rubber tires and rubber covered roller—is scientifically designed and lubricated. This is all aluminum construction except the cutting units. 10 in. wheel, 5 crucible steel blades, self-sharpening bottom blade. 16 in. cut.....\$19.35
19 in. cut..... 23.35

THE NEW ORCHID

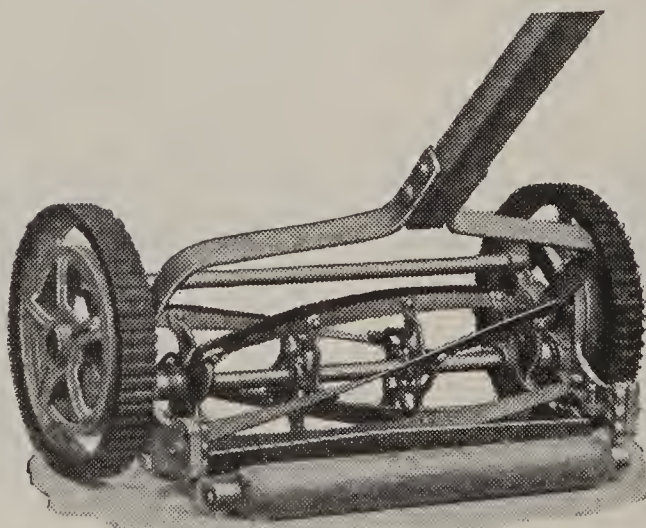
The **Orchid** represents more value for the price than ever before offered in a quality mower. An ideal machine for small estates and general household use. 10 in. wheels, 5 crucible steel blades, self-sharpening bottom blade, 6 in. cylinder.

15 in. cut.....	\$12.15
17 in. cut.....	12.65



CENTENNIAL

For quietness, ease of pushing and smooth cutting, this mower with rubber tires is unexcelled for the price. The tires are extra wide (1 3/8 in.) and will grip wet or dry turf without marking it. They are easily attached or detached, and the mower can be operated without the tires, if desired. 10 1/2 in. wheel, 5 steel blades, 6 in. diameter cylinder, self-adjusting, ball-bearing, one size 16 in.....\$9.95



TINY TIM

A well-made, serviceable mower for the small lawn. Ball bearing, with automatic spring adjustment, 8 in. wheels, 4 hardened steel blades, spring steel lower blades.

12 in.....	\$6.45
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MODERNISTIC

This easy pushing, smooth cutting mower is well adapted to mow many miles of the household lawn. It is noiseless in action. 10 in. wheels of solid rubber tires, 5 crucible steel blades, 6 in. diameter cylinder.

16 in.....	\$10.75
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Garden Rollers, Grindstones and Wheelbarrows
PRICES SUBJECT TO CHANGE



BUCH WATER BALLAST ROLLER
(Roller Bearing)

With this roller you can vary your weight as desired, all the way from 90 lbs. to 800 lbs.

	Dia.	Empty	Full	Price
No. 602, 18x24 in.....		85 lbs.	265 lbs.	\$14.20
No. 603, 24x24 in.....		110 lbs.	420 lbs.	17.00

BUCH WATER BALLAST ROLLER
(Plain Bearing)

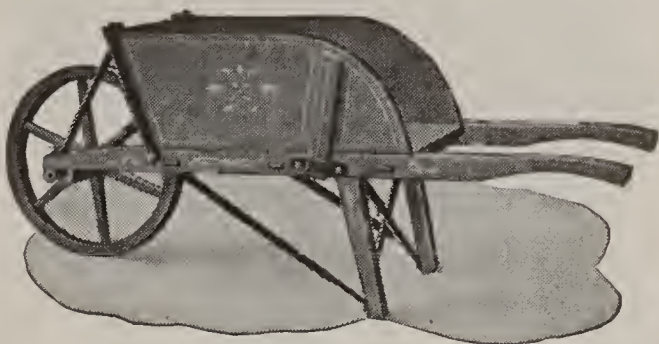
	Dia.	Empty	Full	Price
No. 605, 14x24 in.....		68 lbs.	175 lbs.	\$9.30
No. 606, 18x24 in.....		82 lbs.	265 lbs.	11.10
No. 608, 24x24 in.....		110 lbs.	420 lbs.	15.00

BUCH CAST DRUM LAWN ROLLER

	Dia.	Lbs.	Price
No. 504, 20x20 in., two sections.....		250	\$26.00
No. 507, 20x24 in., two sections.....		300	32.00
No. 509, 20x20 in., two sections.....		400	42.00



GRINDSTONES
\$9.85



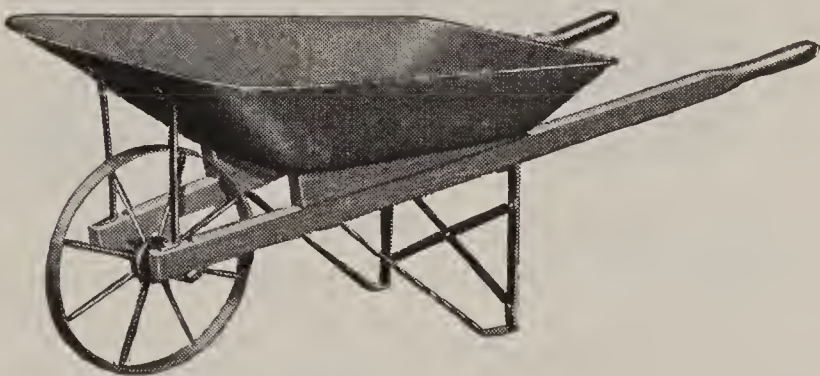
BUCH GARDEN BARROW

No. 6B...\$5.00

No. 3, 1¾ in. tread..	\$7.75	No. 2, 2¾ in. tread..	\$8.75
No. 3, 2¾ in. tread..	8.25	No. 1, 1¾ in. tread..	9.25
No. 2, 1¾ in. tread..	8.25	No. 1, 2¾ in. tread..	9.75

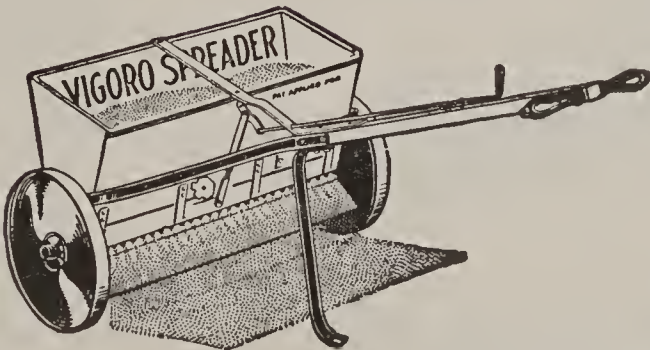
GREENHOUSE BARROW

18 in. wide, for narrow aisle, 2 in. tread.....\$9.50



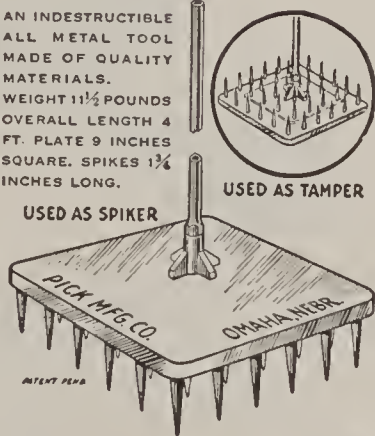
STEEL TRAY BARROW

No. 20, 3 cu. ft.....	\$4.40
No. 17B, 15A, Contractors' Barrow, 3½ cu ft.....	7.75
No. 22B, Deep front, 3½ cu. ft.....	9.50
No. F24, Lansing deep front, 1 piece tray, 3½ cu. ft.	8.50
No. C6, Lansing large steel tray, 6 cu. ft.....	9.25



Vigoro Spreaders will distribute evenly, all fertilizers, top dressing and dried cow manure.

Jr. Model	\$6.60
Standard	11.95
Special	20.00
Model B	3.00



SPIKE TAMP
"THE LAWN MAKERS' FRIEND"

Price, \$3.75 each

FERTILIZER SPREADERS

Hoffman

All metal construction, 27 in. width, all purpose distributor, \$12.50

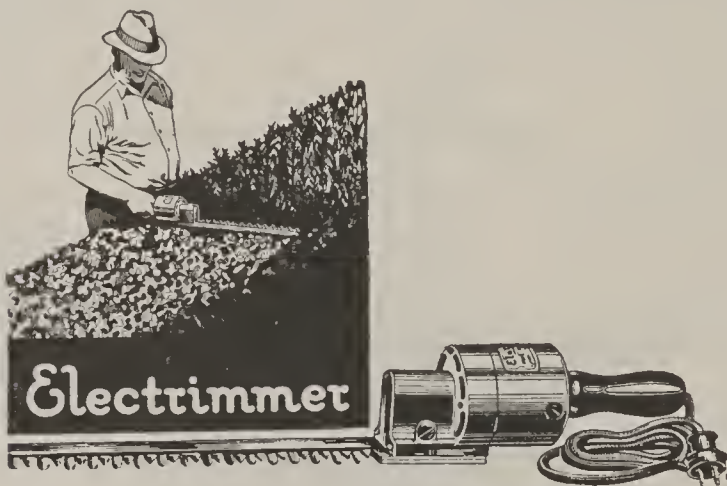
GARDEN REQUISITES

PRICES SUBJECT TO CHANGE



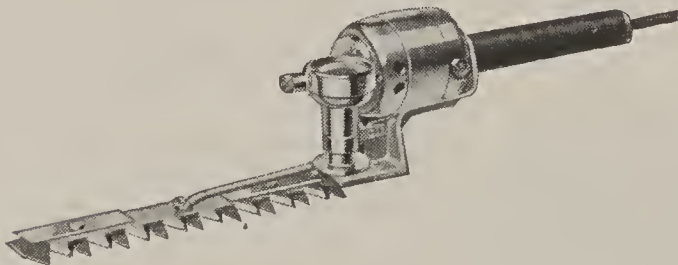
RUBBER HOSE

For lawn, garden and street use. We carry a complete line of hose in all lengths, the best grades that will give good service and which we know will give satisfaction. Our best grade hothouse hose will last for years. Different grades, 5c. to 20c. per foot. All made in Trenton.



ELECTRIMMER HEDGE TRIMMER

A light hand machine for small home owners. \$29.50.



DUMORE ELECTRIC HEDGE TRIMMER

A light weight efficient machine. 8½ in. cut \$24.50

Have our representative demonstrate one of these hedge trimmers to your satisfaction.

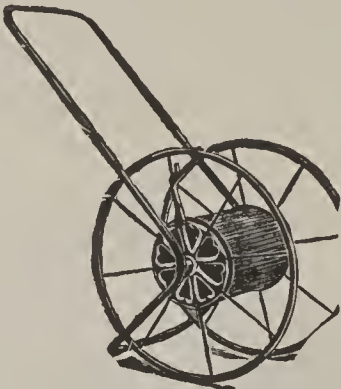
LITTLE WONDER ELECTRIC HEDGE TRIMMER

Junior Model, 27 in. cutting surface, \$55.00.
100 ft. best quality rubber covered wire on hand reel, \$5.50



LITTLE WONDER HEDGE TRIMMER

Excellent machine for cutting new growth of hedges. 30 in. cutting bar, \$27.50; 40 in. cutting bar, \$30.00; 30 in. cutting bar with wheel, \$29.50.



HOSE REELS

A garden which requires 50 ft. of hose also requires one of our all-iron hose reels. They are light, durable and frictionless, and will not tip over.

Victor	\$1.50
W. & K. No. 2.....	3.00
No. 10, 21 in. wheel, holds 100 ft. of 1 in. hose.....	4.50
No. 20, 24 in. wheel, holds 200 ft. of 1 in. hose.....	5.00
No. 30, 30 in. wheel, holds 500 ft. of 1 in. hose.....	9.75

OLE OLSEN LAWN RAKE

Made of the best hickory wood. Teeth set close together. \$1.00 each.

Improved Metal Grip BAMBOO LAWN RAKE

18 in. 75c., 24 in. 95c., 30 in. \$1.25

BAMBOO LAWN RAKE with hard wood handle

Of the very best quality. 18 in. 45c., 24 in. 70c., 30 in. \$1.00.

WOOD RAKES

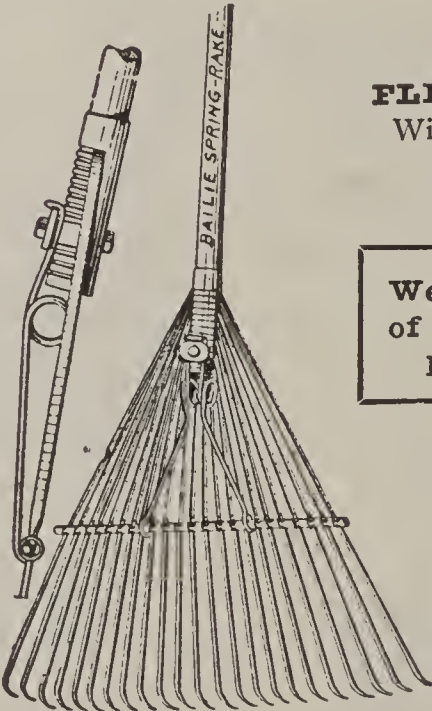
12 teeth	\$0.60
20 teeth	.70
28 teeth	1.15



LAWNCOMB FLEXIBLE STEEL RAKE

Will not injure tender grass.
18 in.....\$1.10
24 in..... 1.50

We also carry a variety of other lawn rakes, priced from 60c. up.



BAILIE LAWN RAKE

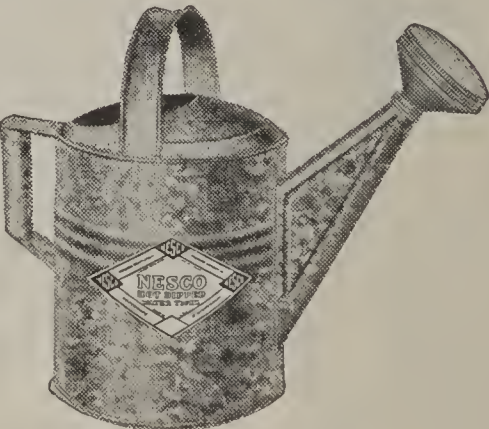
This flexible spring steel rake has 24 teeth, is well constructed and, we believe, is superior to any other lawn rake. \$1.75.

NESCO GALV. WATERING POTS

With brass sprinkler head.	
4 qts.	\$0.65
6 qts. ....	.75
8 qts. ....	.85
10 qts. ....	.95
12 qts.	1.10
16 qts.	1.25

FANCY COLORED WATER POTS

For house and garden use. 2 qt. 85c. each.



WOTHERSPOON'S WATERING POT

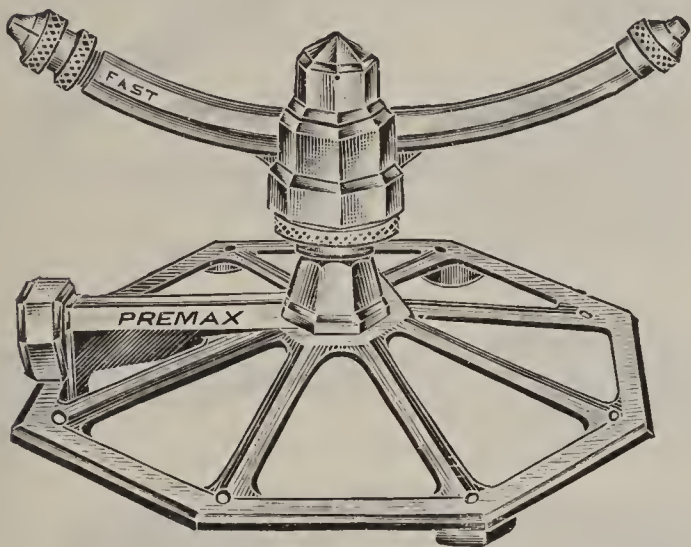
Made from best quality iron and galvanized after being made. Two copper-faced roses go with each pot for fine and coarse watering on seed beds and plants.

4 qt.....	\$4.00	10 qt.....	\$5.25
6 qt.....	4.50	12 qt.....	6.00
8 qt.....	4.80		

LAWN SPRINKLERS

SKINNER SYSTEM OF IRRIGATION—Overhead and Underground Sprinkling Equipment
Prices on Request

PRICES SUBJECT TO CHANGE



PREMAX FLOATING HEAD SPRINKLER

NEW in design. DIFFERENT in principle. No friction—no wear. A uniform distribution of fine mist or heavy rain over large or small areas. \$2.50.

DAYTON SERIES SPRINKLER

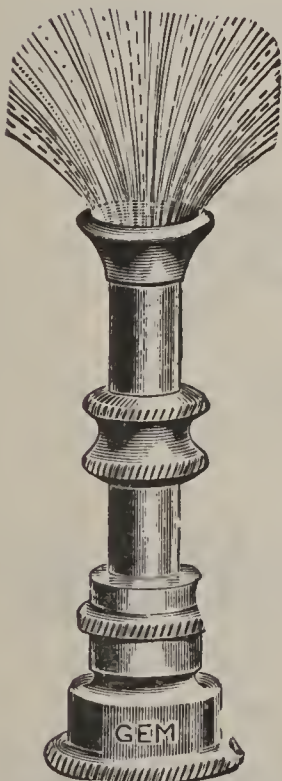
One or more series sprinklers may be used at a time. These sprinklers are usually spaced about 10 or 15 ft. apart, but may also be used at each hose coupling. 60c. each.

BLOCK'S REVOLVING SPRINKLER

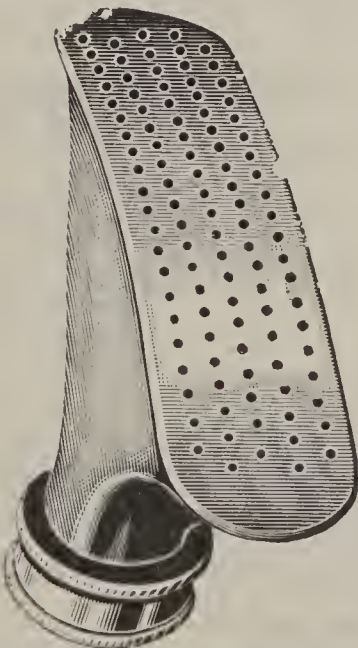
Will sprinkle uniformly up to 50 ft. in diameter. 75c.

SHEET BRASS SPRINKLER NOZZLE

- 3 in. diameter, each..... 50c.
- 4 in. diameter, each..... 65c.

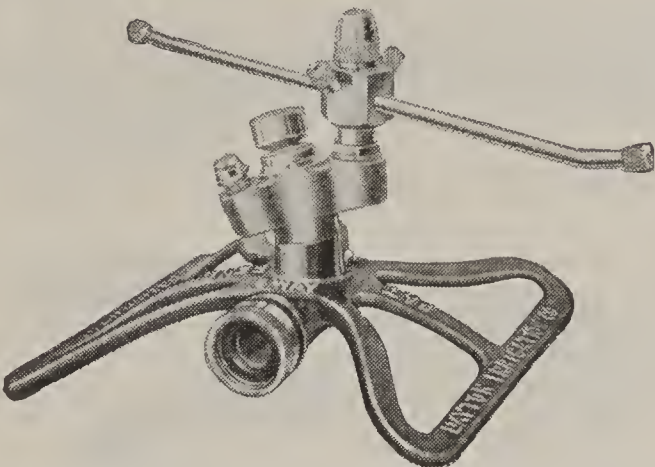


Hose Spray Nozzle
50c. and 70c.

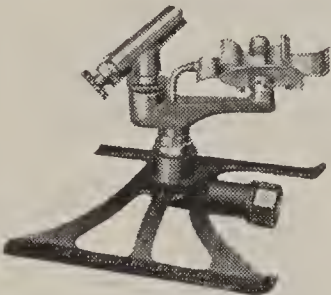


BRASS FAN-SHAPED SPRINKLER NOZZLE
60c. each

NEW 3-WAY DAYTON



Three different sprinkling heads combined in one unit . . . so easy to operate! No tools needed, a mere turn with the fingers puts into position the kind of spray wanted. Large water coverage. Each \$3.50.



DAYTON ROTARY

Designed for low and moderate water pressure, will cover evenly a circle from 30 to 80 ft. in diameter upon a pressure as low as 40 lbs. Excellent for small golf greens. \$6.00.

CAMPBELL'S WATERFAN SPRINKLER

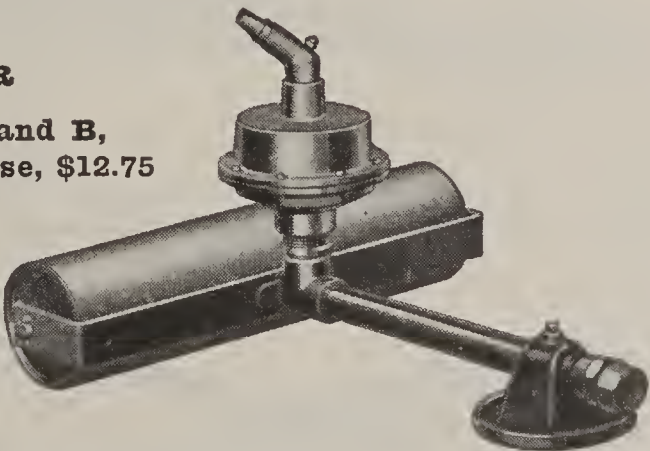
An automatic, oscillating rain making machine. \$15.00.

SKINNER LAWN LIFE SPRINKLER

Strong light and easily cleaned stationary sprinkler. Covers 30 ft. area. Each \$1.00.

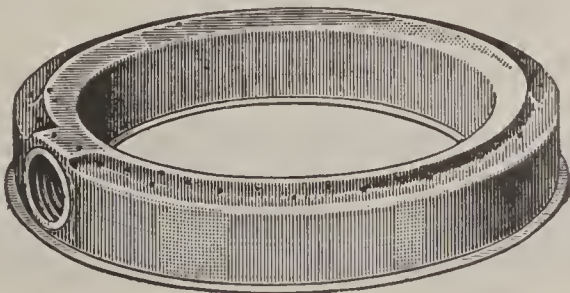
SKINNER

Model A and B,
Roller Base, \$12.75



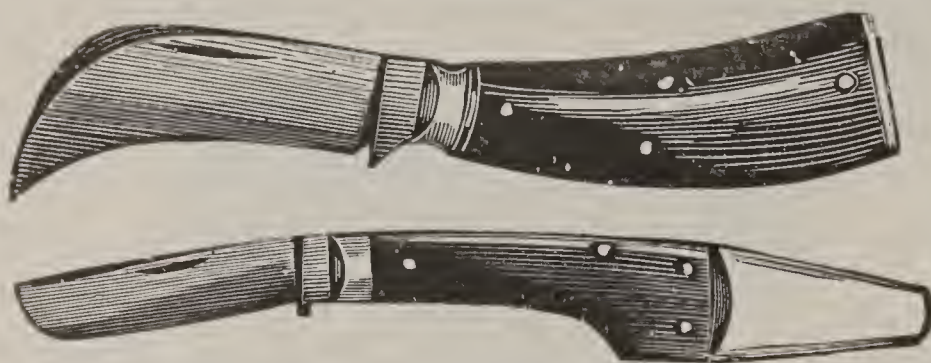
This sprinkler is furnished in three models. Model "A" with coverage of from 50 to 75 feet in diameter, with water capacity of from 6 to 10 gallons per minute and suitable for pressures of from 65 pounds up.

Model "B." Diameter of coverage 75 to 100 feet. Pressures 50 pounds up. Volume 14 to 19 gallons per minute.



SOLID BRASS SPRINKLERS
Full Circle, 75c.

GARDEN SUNDRIES



BUDDING AND PRUNING KNIVES
\$1.25 to \$3.00



DISSTON AND WISS PRUNING SHEARS
A complete assortment of finest quality hand pruning and lopping shears. 50c. to \$4.50.

IMPORTED FRENCH AND GERMAN PRUNING SHEARS

Professional patterns, highest quality. \$2.75 to \$5.50.

H. K. P. FORRESTER LOPPING SHEARS

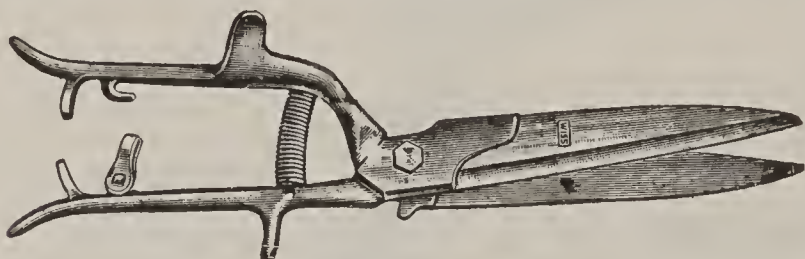
Powerfully built. Excellent for heavy pruning.

No. 2—Capacity 1½ in.....\$5.50
No. 3—Capacity 2 in..... 7.00



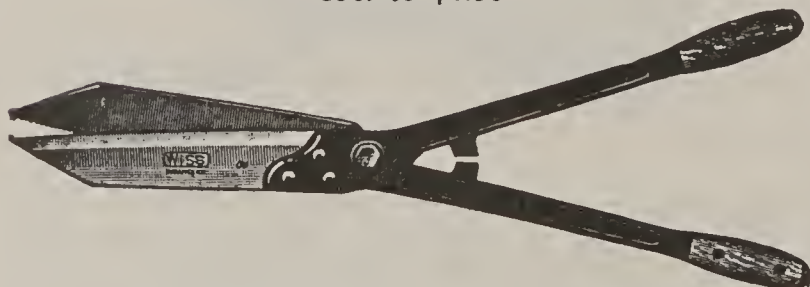
ACME FLOWER SHEARS

Ideal flower shears—cuts and holds flowers in one operation. Pr. 50c.



GRASS SHEARS 45c. to \$1.50

WISS-DISSTON AND TIFFANY LOPPING SHEARS
85c. to \$4.50



WISS-DISSTON AND VILLAGE BLACKSMITH HEDGE SHEARS
\$1.00 to \$4.50

PIKE AXE STONES
25c. and 60c.



WHET STONES, PIKES
15c. to 35c.

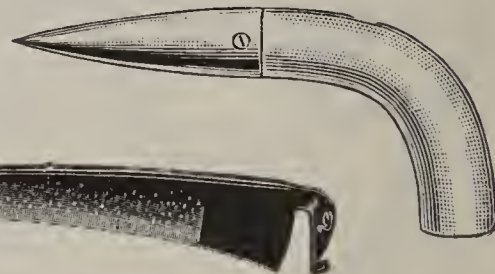


AMERICAN SICKLES
25c. to 85c.

AUSTRIAN SICKLES
65c.

DIBBLES

Wood handle, iron point. Regular size, 75c.; small size, 60c.; all aluminum, 75c.



American and Austrian Brush and Grass Scythes
\$1.65 to \$2.50

SCYTHE SNATHS

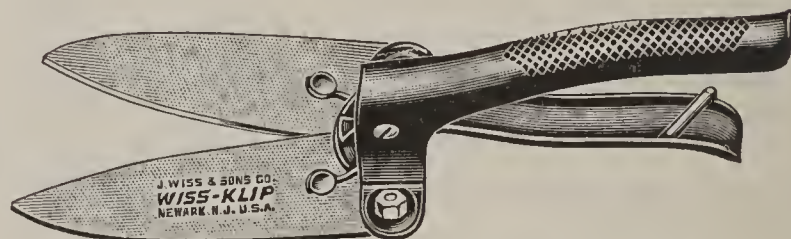
European Straight, \$1.50. American type, \$1.85 and \$1.95.

POLE TREE PRUNERS

Seymour Smith—4 ft. \$1.50, 6 ft. \$1.60, 8 ft. \$1.75, 10 ft. \$1.90, 12 ft. \$2.00, 14 ft. \$2.50, 16 ft. \$3.00.

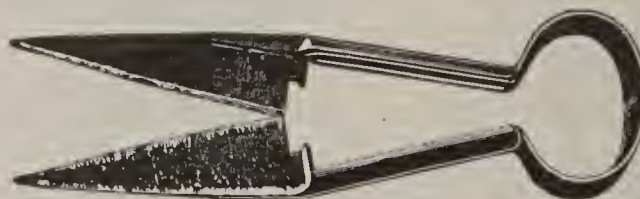


PRUNING SAWS
95c. to \$3.50



The New Wiss-Clip Grass Shears

Hardened steel blades, non-slipping knurled handles, gun metal finish; easy action does not tire wrist; can be resharpened. \$1.40 each.



SHEEP SHEARS
Fine quality steel. 45c. to \$1.50.

Soft as Kid



National
Eezy Wear
Garden Gloves

Tough as Iron

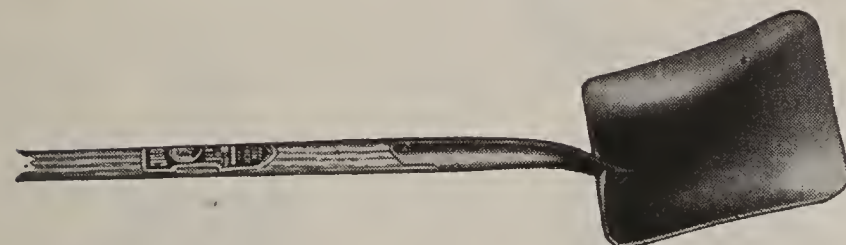
75c. per pair

A soft—pliable—ALL-LEATHER—dirt proof glove for both MEN and WOMEN—specially adapted for general home use such as:—

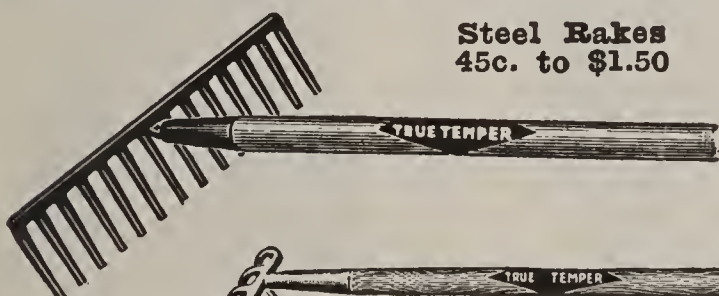
HOUSEWORK, GARDEN, GARAGE, FURNACE

GARDEN REQUISITES

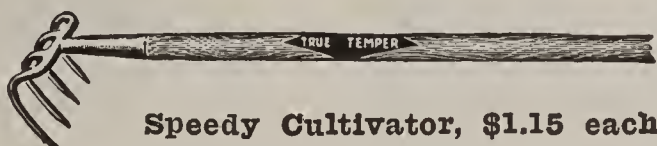
Prices subject to market changes



Long and Short Handled Solid Shank Shovels and Spades, \$1.25 to \$3.00 each



Steel Rakes
45c. to \$1.50



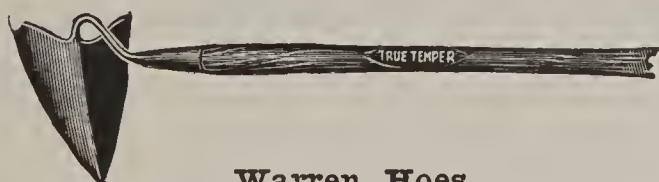
Speedy Cultivator, \$1.15 each



Grass Edgers, Long Handle and Short D Handle, \$1.00 each



A complete line of Garden, Corn, Field, Onion and Trucking Hoes, 45c. up



Warren Hoes
Used for furrowing, hilling and hoeing.
Excellent all purpose hoe,
7 in....\$1.35 7½ in....\$1.50



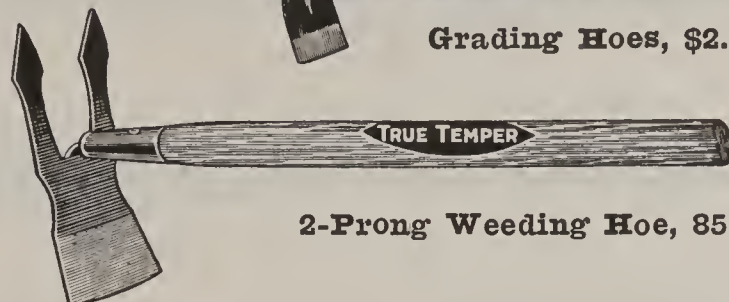
Digging Forks, 95c. to \$2.50



Manure Forks, \$1.15 to \$2.75



Grading Hoes, \$2.30



2-Prong Weeding Hoe, 85c.

A complete line of hand garden cultivators, ranging from 1 prong to 7 prongs—including the famous **NORCROSS**, **SPEEDY** and **GARDEX** patterns. 95c. up.

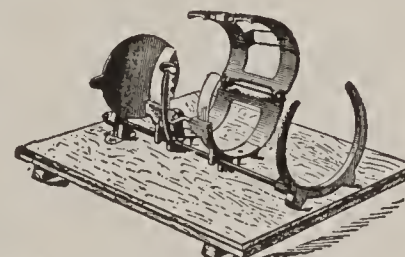
Scuffle Hoes. \$1.25 up

LADIES' GARDEN TOOLS

Quality steel—light in weight. Rakes, 65c.; Hoes, 75c.; Spading Forks, \$1.00; Spades, 90c. One each in a set complete, \$3.00.



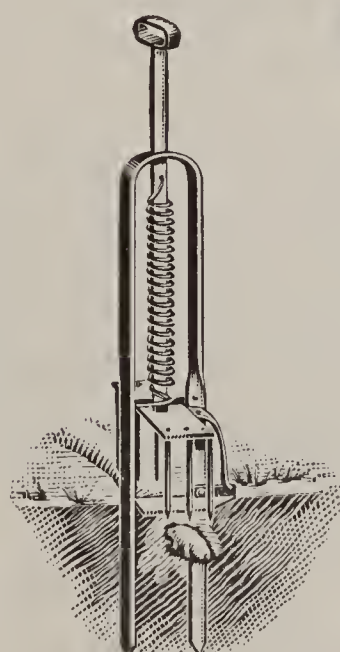
Cart and Barrel
3 in. Tread, \$25.00



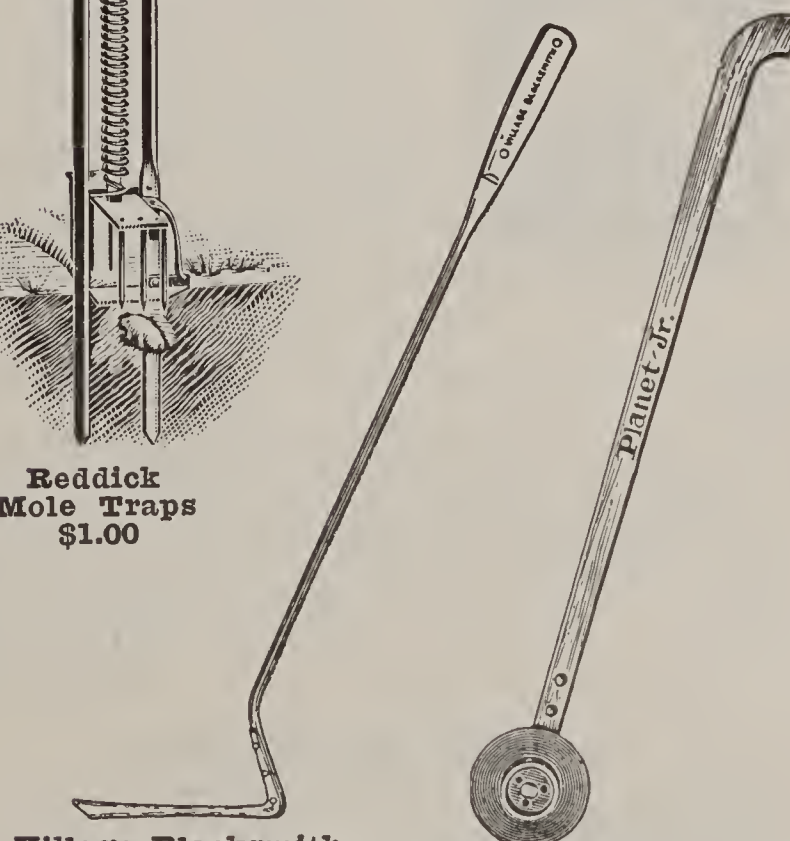
Asparagus Bunchers
\$3.35 to \$7.00



Asparagus Knife
25c. and 35c. each



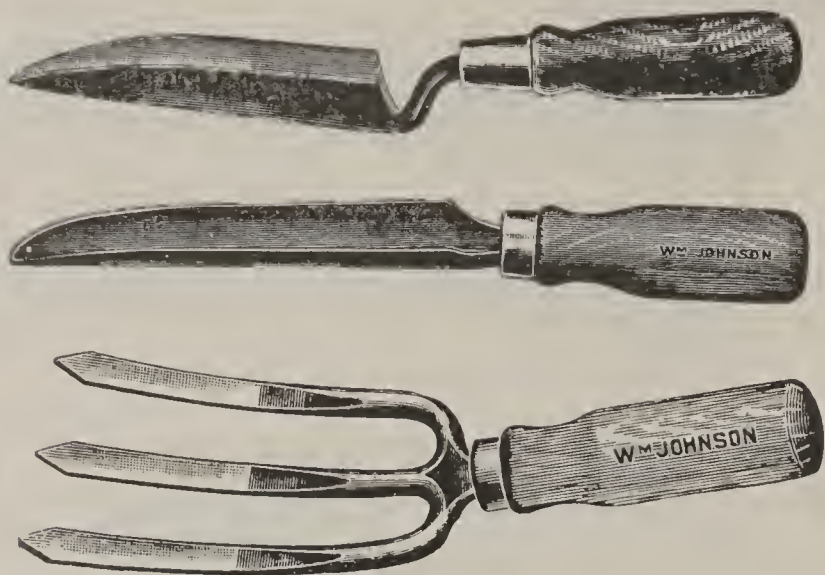
Reddick
Mole Traps
\$1.00



Village Blacksmith
Graswip, \$1.00
Cuts on both sides

PLANET, JR.
EDGER, \$1.65

GARDEN REQUISITES

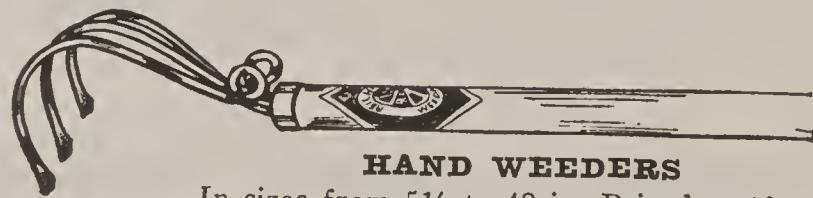


Forged Steel Garden Trowel.....	\$0.75	each
Solid Steel Garden Trowel.....	.20	"
D.S.T. Solid Steel Garden Trowel.....	1.00	"
Transplanting Hoe Trowel.....	.75	"
Transplanting Trowel	15c. and .30	"
Hand Weeding Fork.....	.40	"



ACE WEEDERS

New style long handle weeder. Place weeder close to root, step on metal brace till fork is well buried, then pry out. Easy to use. 85c.



HAND WEEDERS
In sizes from 5 1/4 to 48 in. Priced at 10c. to 90c.



GERMACO HOTKAPS

An individual hothouse for each and every plant; protects plants from frost and other elements; matures crops earlier; keeps insects out; keeps soil soft. Made of scientifically constructed wax paper. Prices: 1,000 lots \$10.25, home package (100) with Garden Setter and Tamper \$2.50, garden size (25) with Paper Setter 50c.

TREE LABELS

3 1/2 in., painted, copper wired, 40c. per 100, \$2.75 per 1000.

NEPONSET PAPER FLOWER POT

Bird's Improved Neponset Flower Pots retain the moisture. They are most satisfactory for growing, shipping and transplanting of seedlings or plants.

Size	Doz.	100	1,000
2 1/2 in.	\$0.10	\$0.60	\$5.00
3 in. ....	.15	.75	6.50

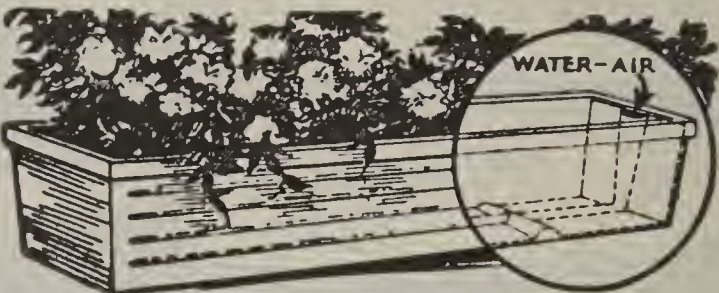
FIBRE TUB SAUCERS

Light and durable, mahogany finished.

12 in. deep style.....	\$1.10
14 1/4 in. deep style.....	1.60
16 in. deep style.....	2.00

HANDLES

We carry in stock, a complete line of replacement handles for every type of tool. Finest quality at reasonable prices.



Window Boxes and Stands, \$1.50 and Up



Fruit Picker, 55c.



Stable and Lawn Brooms, 65c. Up

GARDEX "Soil Flow" TOOLS



5 in. Pull Hoe
Weeder with
Share

Will do your weeding even in hard, dry and heavy soil. Complete with 5 ft. handle. \$1.50

No. 700 Jr. Weeder. Works back and forth on straight edge or at angle, permitting close work. Similar to Pull Hoe, 4 in. wide; handle 7 in....25c.

No. 717 Steel Hand Broom. Cleans up leaves and twigs, loosens soil. 15 1/2 in. overall length.....65c.

No. 710 One-Prong Cultivator. Loosens soil anywhere—between closest plants and rows. Length with handle, 15 in.....25c.

No. 713 Cultivator. Loosens soil in small beds, permitting close work. 3 prongs 2 3/4 in. wide, length with handle, 16 in.....40c.

No. 732 Culti-Hoe. 3-prong tool with square blade opposite. Length with handle, 12 in.....50c.

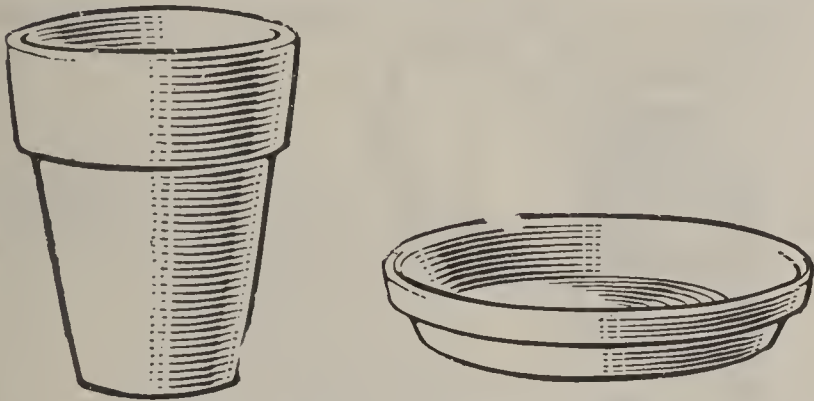
Also Complete Line of LONG HANDLE "SOIL PLOW" GARDEN AND FIELD TOOLS

Turf Edger

Cuts vertically and horizontally in one operation, edging desired width and depth, cutting sod free both ways with 4 1/2 ft. handle. \$1.20

GARDEN REQUISITES

FLOWER POTS, SAUCERS, TUBS, LABELS AND STAKES



STANDARD FLOWER POTS

Full inside measurement. No charge for packing. Six at dozen rate, 50 at 100 rate, 500 at 1,000 rate. Prices on application for 2,000 or more. F. O. B.

FLOWER POTS AND BULB PANS

Size	Each	Dozen	Per 100	Per 1,000
2 -inch.....	\$0.02	\$0.20	\$1.20	\$11.25
2¼ -inch.....	.02	.20	1.30	12.75
2½ -inch.....	.03	.25	1.60	15.00
3 -inch.....	.03	.30	2.25	19.50
3½ -inch.....	.04	.40	2.50	24.00
3¾ -inch.....	.05	.45	3.00	27.00
4 -inch.....	.05	.50	3.25	30.00
4½ -inch.....	.06	.60	4.25	40.50
5 -inch.....	.07	.75	5.75	54.00
5½ -inch.....	.10	1.00	7.00	67.50
6 -inch.....	.12	1.35	8.50	81.00
7 -inch.....	.18	1.75	13.50	
8 -inch.....	.25	2.50	19.50	
9 -inch.....	.40	4.00	30.00	
10 -inch.....	.50	5.00	40.50	
12 -inch.....	1.00	11.00	82.50	
14 -inch.....	1.50	15.00	135.00	

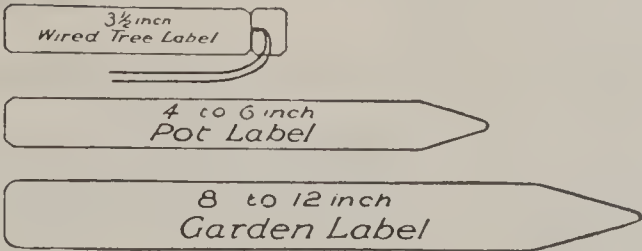
SAUCERS

	Each	Doz.	100
3 inch	\$0.03	\$0.30	\$ 1.80
4 inch .....	.04	.40	2.25
5 inch .....	.05	.45	3.00
6 inch .....	.06	.60	4.25
7 inch .....	.08	.75	6.00
8 inch .....	.10	1.00	8.00
9 inch .....	.15	1.50	11.25
10 inch .....	.20	2.00	13.50
12 inch .....	.30	3.00	20.25
14 inch .....	.40	4.50	33.75

RICHMOND STYLE TREE TUBS

The tubs are made of white cedar, bound with flat steel hoop at bottom and three galvanized hoops above. Nicely painted green.

Size	Inside Diameter	Depth	Price
No. 1.....	6 in.	6 in.	\$0.61
No. 2.....	7 in.	7 in.	.63
No. 3.....	8 in.	8 in.	.68
No. 4.....	9 in.	9 in.	.73
No. 5.....	10 in.	9 in.	.86
No. 6.....	11 in.	10 in.	1.06
No. 7.....	12 in.	11 in.	1.28
No. 8.....	13 in.	12 in.	1.63
No. 9.....	14 in.	13 in.	1.87
No. 10.....	15 in.	14 in.	2.04
No. 11.....	16 in.	15 in.	2.31
No. 12.....	17 in.	16 in.	2.71
No. 13.....	18 in.	18 in.	3.24
No. 14.....	19 in.	18 in.	3.91



GARDEN OR POT LABELS

Wood, painted.

Width	100	1,000	Width	100	1,000
4x 5⁄8 in....	\$0.30	\$2.25	8x 5⁄8 in....	\$0.75	\$6.00
5x 5⁄8 in....	.40	2.50	10x 7⁄8 in....	.85	7.00
6x 5⁄8 in....	.45	2.75	12x1½ in....	1.35	10.50

DENNIS PLANT STAKES

Are equipped with a piece of rattan same length as stake and can be laced through the stake making an ideal plant support for peonies, dahlias, tomatoes, etc.

	Each	Doz.	100
3 ft.....	\$0.10	\$0.95	\$6.10
4 ft.....	.15	1.25	8.00
5 ft.....	.18	1.50	9.10
6 ft.....	.22	2.00	10.50

RAFFIA

Natural color—excellent for grafting and tying. 35c. per lb.

GREEN BAMBOOO STAKES

	Pencil Thickness	Doz.	100
2 ft.....		\$0.10	\$0.35
3 ft.....		.20	.50
4 ft.....		.25	.75

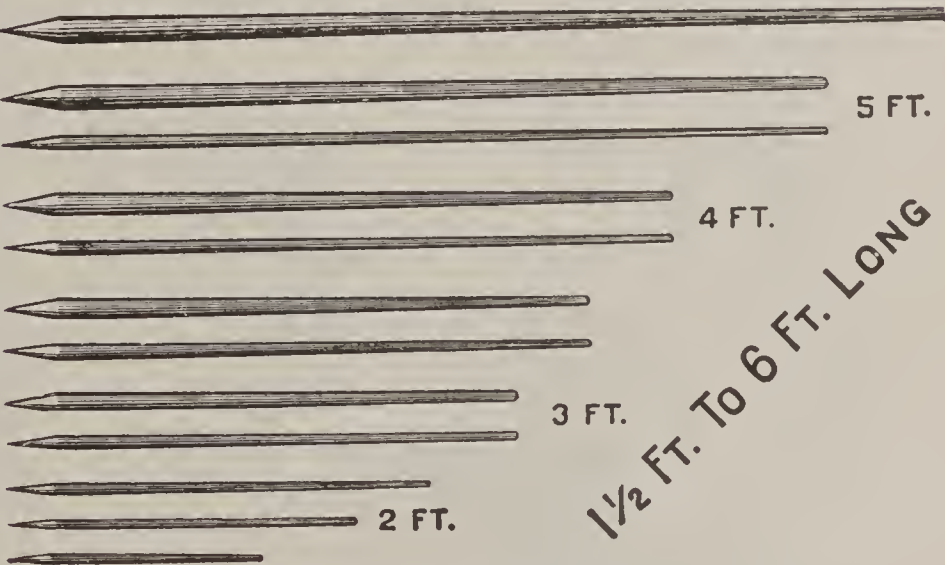
TWINE

We carry a complete line for tying up plants, household use and row marking, including Cotton, Jute, Mason Cord, Binder and India twine. Any quantity from a ball to a bale.

BAMBOO PLANT STAKES

Heavy, natural color. For Dahlias and heavy outdoor plants.

Hght.	Diam.	Each	Doz.	100	1,000
3 ft.	3⁄8 in.....	\$0.03	\$0.25	\$1.50	\$10.00
4 ft.	5⁄8 in.....	.04	.40	2.50	19.00
5 ft.	3⁄4 in.....	.05	.45	3.50	31.00



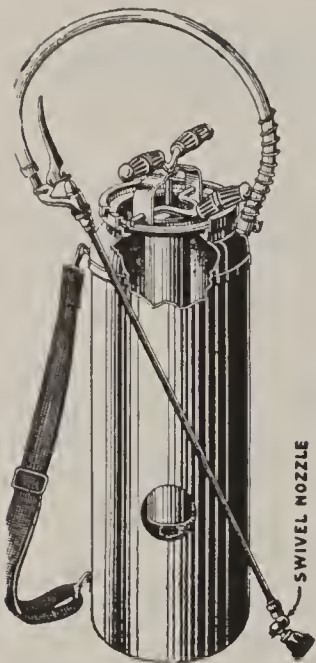
TAPERING WOOD STAKES

Green Painted

	Each	Doz.	100		Each	Doz.	100
1½ ft.....	\$0.03	\$0.25	\$1.50	3 ft.....	\$0.06	\$0.60	\$3.90
2 ft.....	.04	.35	2.20	4 ft.....	.10	.95	6.10
2½ ft.....	.05	.45	3.00	5 ft.....	.13	1.25	8.20

SPRAYERS FULLY GUARANTEED

Prices subject to change



BROWN'S NEW OPEN-HED SPRAYERS

These have electrically welded seams making them practically seamless one-piece tanks. Have wide-mouth for easy cleaning. Guaranteed for 100-lb. pressure.

- No. 4—Brass, 4 gal.....\$11.95
- No. 4—Galvanized, 4 gal..... 7.50
- No. 3—Brass, 3 gal..... 10.75
- No. 3—Galvanized, 3 gal..... 6.75

MYERS KWIKFIL COMPRESSED AIR SPRAYER

Special features—Concave top forms an 8-in funnel—no time lost in filling removable discharge tube and hose connection, permits thorough drainage and cleaning of the tank. Adds many years to the service.

- 2½ gal.....\$5.25
- 4 gal.....\$6.00

Myers Galvanized Tank Knapsack Spray Pump.
4 gal.....\$12.50



CRYSTAL DUSTER Tin Pump, Glass Tank

An efficient dust gun with glass container. Volume of

dust expelled is controlled by force used in pumping. Long extension enables operator to dust from underneath. Agitator keeps dust in constant motion and breaks all lumps.....Each \$1.25



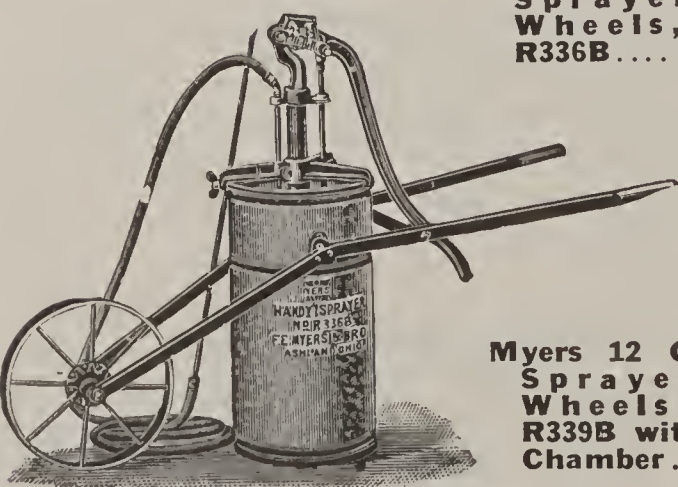
SMITH WHIRL DUSTERS. With replaceable glass jar.....\$1.20

BELLOWS DUSTER. Is of such length that stooping or bending over plants is unnecessary.....\$1.75

HAND DUSTERS
35c. and 50c.



MYERS 12-GALLON SPRAYER



Myers 12 Gallon Sprayer on Wheels, No. R338 ½.....\$18.00

Myers 12 Gallon Sprayer on Wheels, No. R336B.....\$26.50

Myers 12 Gallon Sprayer on Wheels, No. R339B with Air Chamber.....\$42.50



SMITH'S LIGHTNING SPRAYERS are equipped with funnel top, well built and will handle all insecticides and cattle sprays.

No. 24 C. F.—Funnel top, solid copper tank, 3½ gal.....\$7.50

No. 24 G. F.—Funnel top, galvanized tank, 3½ gal..... 4.50

No. 24 C. O.—Open top (5 in. diameter), copper tank..\$9.25

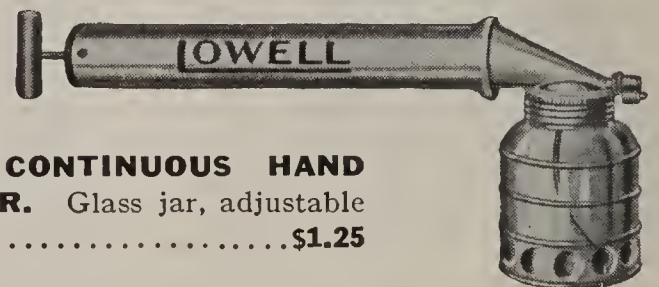
No. 24 G. O.—Open top (5 in. diameter) galvanized tank. 5.50

SMITH'S JUSTRITE SPRAYERS have a capacity of 2½ gallons and are especially suited for the small gardener, florist, nurseryman and dairyman. Galvanized tank.....\$3.80 Copper tank.....\$7.75

SMITH'S BANNER SPRAYERS have a 5-in. diameter open head. The tank is made of extra heavy gauge metal and has one heavy, rigid, strong funnel well built in top of tank. The tank is corrugated and well built and has a foolproof positive locking device.

4-gal. Galvanized tank.....\$6.50

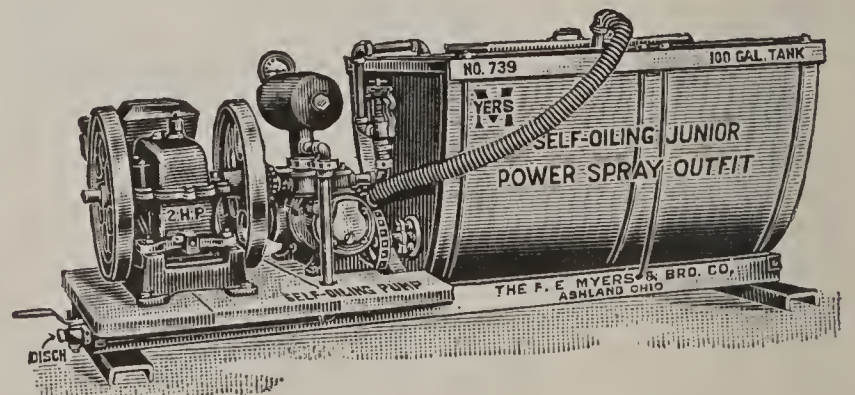
4-gal. Copper tank..... 9.75



LOWELL CONTINUOUS HAND SPRAYER. Glass jar, adjustable nozzle.....\$1.25



SMITH'S BLIZZARD CONTINUOUS HAND SPRAYER. Has a solid copper tank with seamless brass pump, barrel and twin nozzle for spraying straight ahead or at an angle. 1 quart capacity.....\$1.75



MYERS JUNIOR POWER SPRAY OUTFIT.

No. 739.—100 gal. tank, as shown, 2 HP engine, \$270.00 F.O.B. factory.

No. 729.—100 gal. tank, less engine for belt drive. \$180.00 F.O.B. factory.

No. 754.—100 gal. tank, same as shown on illustration, complete with short turn truck, 1 spray gun, 50 ft. ½-inch hose, pressure gauge, rotary agitator, pressure unloading valve, strainer and suction hose. \$350.00 F.O.B. factory

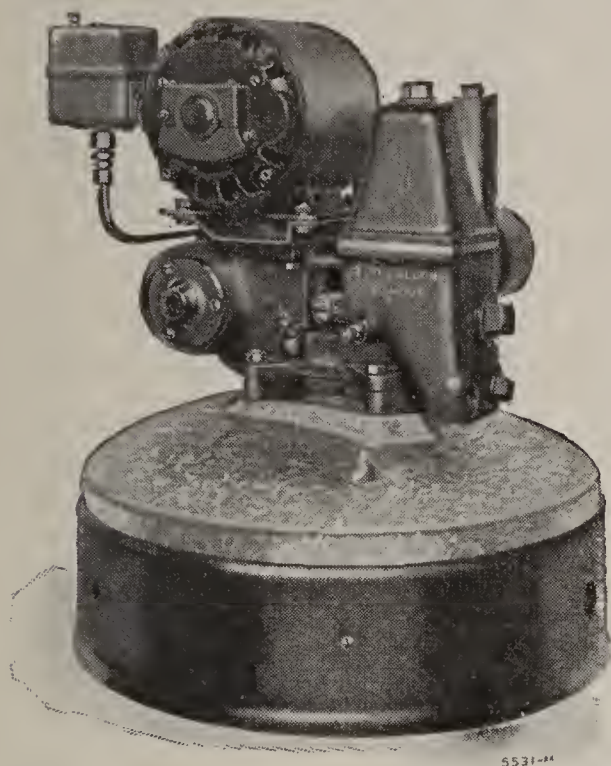
PUMPS FOR EVERY PURPOSE

PRICES ON APPLICATION SUBJECT TO VARIATION

We carry a full line of pumps and are ready to give you an estimate on anything you want in the pump line, either in material or installation.

FAIRBANKS-MORSE WATER SYSTEMS

For shallow and deep well service



THE CHALLENGER

"A Feature Pump at a Feature Price"

200 gals. per hour. Lifts 22 feet or less. Pressure, 20-40 lbs. Double Acting, Compact and Durable \$52.50

We have on display
**Fairbanks-Morse
Deep Well
Water Systems**

for use where water lift is more than 22 feet.

A-225 ELECTRIC SHALLOW WELL WATER SYSTEM

225 gals. per hour. Lifts 22 feet or less. Pressure 20-40 lbs. Just right for the home or small farmer. Detail information on request.

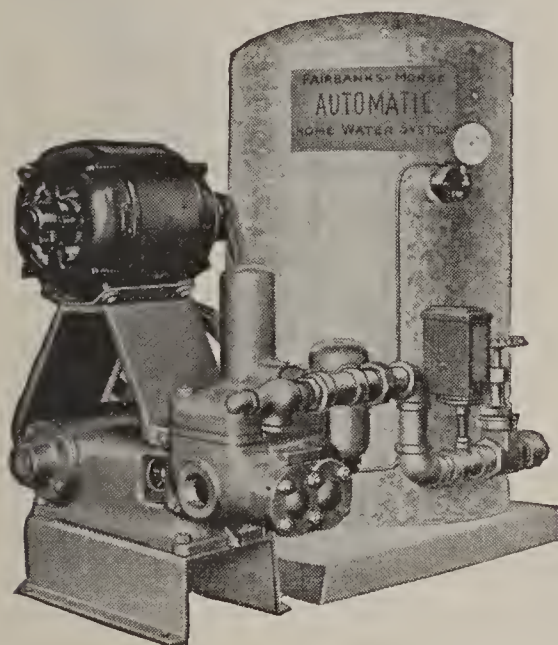


We install and repair pumps, also carry a large assortment of repair parts. *Work done by experts.*



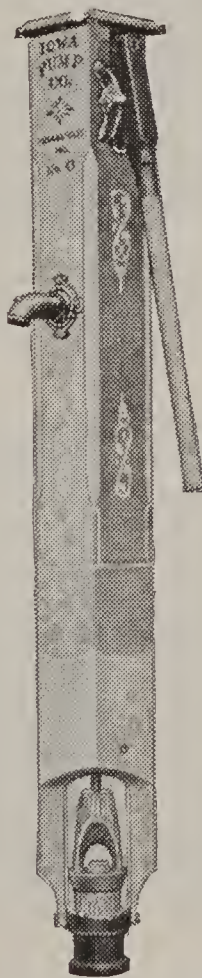
F.-M. TYPHOON COMPLETE ELECTRIC WATER SYSTEMS

Capacity 600 to 1000 gals. per hour. Particularly adapted for stock farms, country estates, etc. that require large capacity service.



FAIRBANKS-MORSE DEEP WELL PUMPS

These pumping units, because of their efficient performance, are enjoying a wide field of application for all general water pressure service. They are available in a wide range of capacities from 1/4 h.p. to 5 h.p. thus covering a field from the modest requirements of the small home or Summer cottage to the larger demands of the country estate, the school, country club, hotel, greenhouse, factory, mill, large dairy, etc. No matter whether the requirements are 200 gallons per hour for the individual home or hundreds of gallons for the town, we have them.



We carry all sizes of plain and porcelain wood pumps. From \$8.50 up

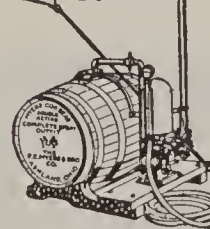


PARAGON SPRAYER

The best sprayer for the dairy and poultry house. Capacity, 3 1/2 gallons. Ideal for white-washing. \$10.95.



MYERS COG GEAR DOUBLE ACTING COMPLETE SPRAY OUTFIT



(170)



MYERS SELF-OILING TRACTION SPRAYER



Every Month in the Year You Need a MYERS SPRAY PUMP

SOME crop, or product, or profit is always being threatened by insects, blights, fungi, disease or decay. That's why you must have dependable and adequate spraying equipment for trees, shrubs, vines, plants and vegetables — live stock and poultry. And in between there are countless other spraying jobs like white-washing and painting or disinfecting grounds and buildings.

MYERS "Honor-Bilt" Spray Pumps are famous for their quality, durability and usefulness. Easy to operate; quick and thorough in results. Whether you need the smallest size hand-operated sprayer, or the largest machine-powered field and orchard sprayer, MYERS manufactures the equipment you want.

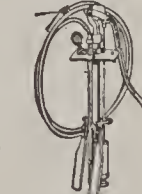
For more than fifty years, MYERS has been world headquarters for Hand and Power Pumps for every purpose, Water Systems, Hay Tools and Door Hangers.

See your dealer or write us direct. Complete catalog on request.

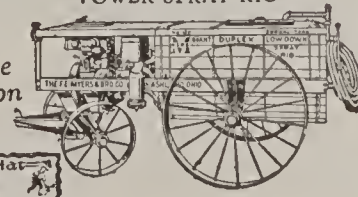
PNEUMATIC COMPRESSED AIR SPRAYER



COG GEAR BARREL SPRAY PUMP



MYERS SELF-OILING POWER SPRAY RIG

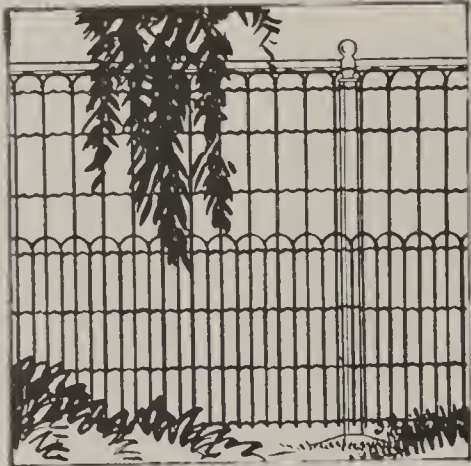


Take Only One Hat to the MYERS PUMPS, WATER SYSTEMS, HAY TOOLS, DOOR HANGERS

WIRE FENCING OF VARIOUS KINDS AND MAKES

For the lawn, garden, farm, school yard, tennis court and factory yard. Estimates given on erection.

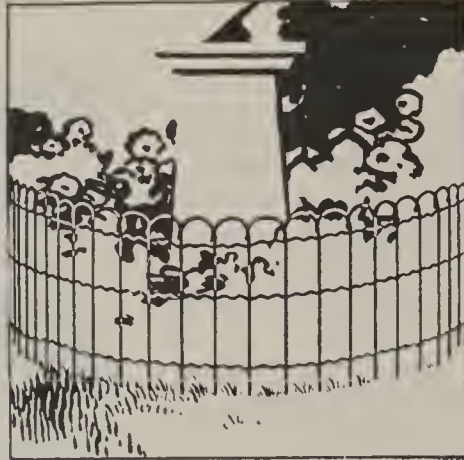
All Prices Subject to Change Without Notice.



**Pittsburgh Double Scroll
PITTSBURGH LAWN
FENCE**

Ornamental Double Scroll, No. 9 Gauge. Per lineal foot; 36 in. 15c.; 42 in. 16c.; 48 in. 18c.

Special prices in large quantities Gates to match, from \$3.75 to \$5.50.

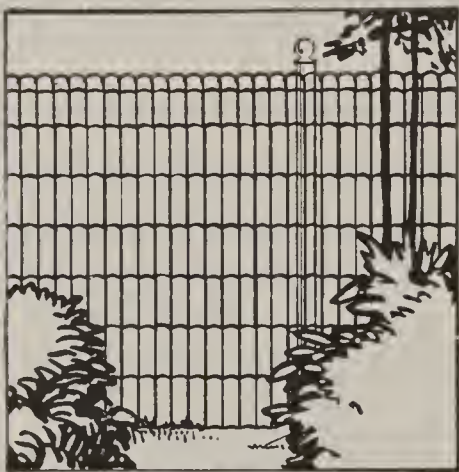


**PITTSBURGH FLOWER
BED GUARD**

It is the one flower bed guard that can be pushed into place without disarranging a single wire. Price per lineal foot: 16 in. 8c.; 22 in. 9c.; 28 in. 10c.



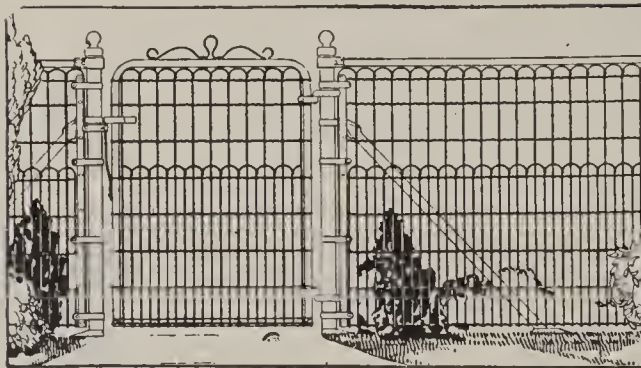
Pittsburgh chain link for the lawn or garden. Properly fenced, the garden is not subjected to careless trampling or damage by dogs and other animals. Pittsburgh chain link fences make an ideal support for climbing vines and shrubbery. Prices on application.



**Pittsburgh Single Scroll
PITTSBURGH LAWN
FENCE**

The single scroll design of this lawn fence is well suited for rear lawns or other usage where for any reason the full ornamental double scroll design may not be desired.

36 in. 11c. ft., 42 in. 12c. ft.
48 in. 14c. ft.



**PITTSBURGH GALVANIZED
WALK GATES**

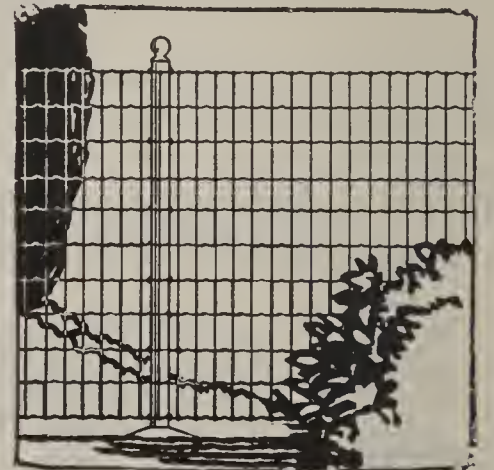
\$3.85 to \$5.75

Also single and double drive gates



PITTSBURGH

We carry a complete line of Pittsburgh fence in stock at all times both scroll top and plain top in all heights. Get our prices on fence erection.



**PITTSBURGH PLAIN
TOP LAWN FENCE**

No. 11, 2x4 mesh

This is an ideal fence for the garden or dog kennel. It can be used with drive post or fastened to wood posts. Makes a very neat appearance.

24 in., 9c. ft.	48 in., 14c. ft.
36 in., 11c. ft.	60 in., 18c. ft.
40 in., 12c. ft.	72 in., 21c. ft.



PITTSBURGH CUSTODIAN FENCE

This is Pittsburgh Custodian Fence (three-barbed-wire-top). Custodian is recommended for heavy-duty use around manufacturing, railroad and general industrial purposes. Ask for prices erected



PITTSBURGH GUARDIAN FENCE

This is one of the most important applications of Pittsburgh Guardian Chain Link Fence.

It is essential that school, industrial and public playgrounds and outdoor places where children congregate be fence-protected.

WIRE FENCING AND POULTRY NETTING

Prices subject to change with market fluctuation.

Manufactured by John A. Roebling Sons Co.

150-ft. Rolls—All galvanized after weaving

Prices on application

1- and 2-in. Mesh, No. 20 Wire—150-ft. Rolls—in the following widths:

12 in. wide	30 in. wide	48 in. wide
18 in. wide	36 in. wide	60 in. wide
24 in. wide	42 in. wide	72 in. wide

2 in. Mesh—Less than roll.....1c. to 1½c. per sq. ft.

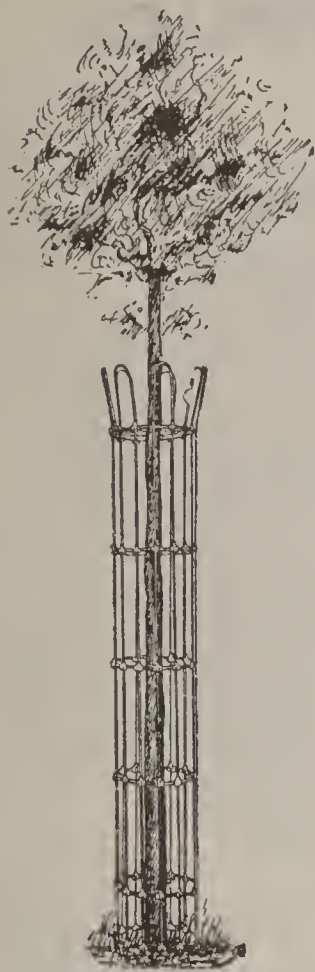
1 in. Mesh—Less than roll.....2c. to 2½c. per sq. ft.

2 in. Mesh, No. 16 Wire—150-ft. Rolls—in the following widths:

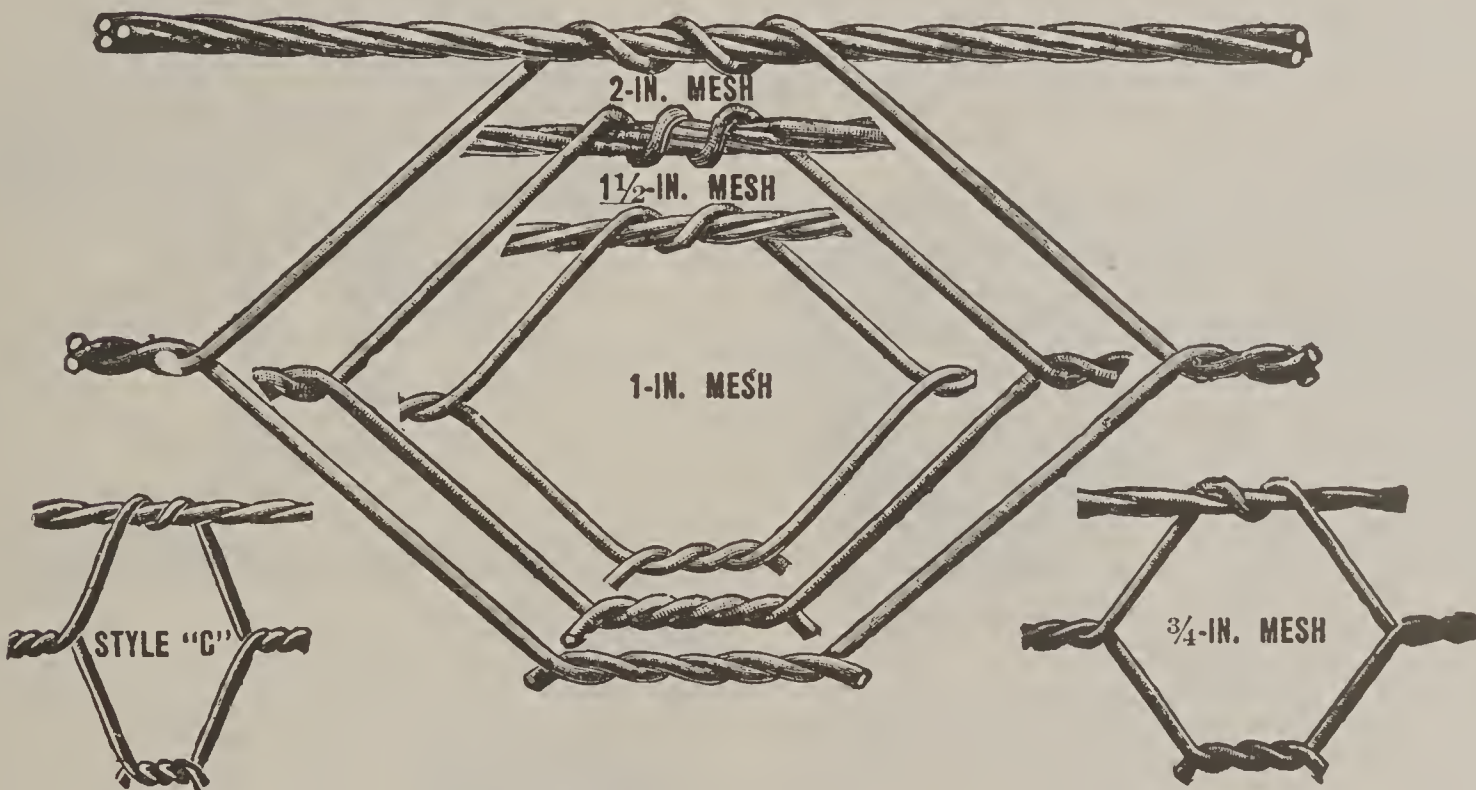
36 in. wide	42 in. wide	48 in. wide
60 in. wide		72 in. wide

Less than roll.....2c. to 3c. per sq. ft.

Prices on application on other meshes and gauges of Wire Cloth
such as Cellar Window Screening, Corn Crib Wire, Fly Wire, etc.



Tree Guards
\$1.90



Pittsburgh Perfect Farm, Hog and Poultry Fencing

Prices on application

Steel Frame Galvanized Farm Gates, also Never-sag Gates

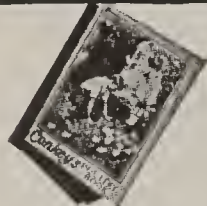
Prices on application

Plain and Barbed Wire

Barbed wire, 6 in. spacing, 4 point.	Per 100 lbs.	\$4.95
No. 9—Plain heavy galvanized wire.....	Per 100 lbs.	5.55
No. 12—Plain heavy galvanized wire	Per 100 lbs.	5.85
No. 14—Plain heavy galvanized wire	Per 100 lbs.	6.30
No. 18—Plain heavy galvanized wire.....	Per 100 lbs.	8.10

POULTRY FEED, REMEDIES AND SUPPLIES

PRICES SUBJECT TO CHANGE



Keep a Conkey Corner in Your Poultry House—Be Prepared

You get profit from your poultry when your birds are in good productive health—when you keep disease out of your flock. We sell **Conkey's Poultry Remedies** because we know they are absolutely reliable and we back every Conkey package with our guarantee: "Your money back if you are not satisfied."

CONKEY'S FEEDS

Buttermilk Starting Feed with Y-O

Red Seal Growing Mash

Gecco Growing Grain

Red Seal Laying Mash

Gecco Chick Grain

Superior Scratch Grain

Prices on application

CONKEY'S NIKALA WORM TABLETS

Conkey's Nikala Tablets contain nicotine and kamala and are covered with an air-tight coating which keeps them from dissolving. When they reach the gizzard, the grit in the gizzard cuts this coating away and the medicine is then liberated. Full directions with each package. Prices: (Adult Size): Pkg. 50 tablets, 75c.; 100 tablets, \$1.25; 500 tablets, \$5.25; 1000 tablets, \$9.50, postpaid. (Chick Size): Pkg. 40 tablets, 50c.; 90 tablets, 90c.; 500 tablets, \$3.25; 1000 tablets, \$6.00, postpaid.

CONKEY'S POULTRY TONIC

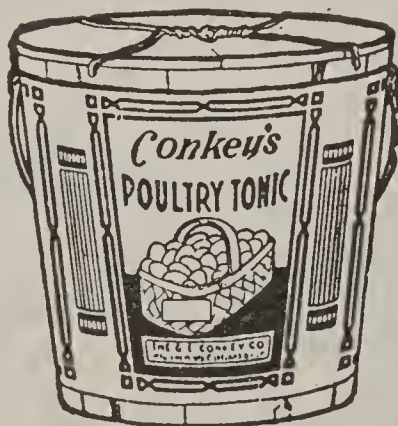
Good for all your birds. Pkgs. 25c. and 50c.; 12-lb. pails, \$1.70; 25 lbs. \$3.10.

CONKEY'S OLD RELIABLE POWDER

This famous treatment known for 30 years as Roup Remedy. 25c., 50c., \$1.00 per pkg., 5 lbs. \$5.50.

CONKEY'S DIA-TABS (Formerly Called Diatex)

Formerly called White Diarrhea. An astringent tablet for drinking water of baby chicks and poultry. 25c., 50c. and \$1.00.



CONKEY'S BALMO

A soothing, cooling application for relieving irritation around the swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles. Pkg. 50c.

CONKEY'S NOXICIDE

Disinfectant for poultry yards and farms. Pt. 40c., qt. 60c., gal. \$1.50.

CONKEY'S FLY KNOCKER

Invaluable for the farmer, dairyman and owner of livestock. Qt. 60c., 2 qts. 90c., gal. \$1.50.

CONKEY'S Y-O

It's full of Vitamin A, B and D, all needed for quick growth in baby chicks without leg weakness. 1 lb. 50c., 2 lbs. 90c., 5 lbs. \$1.60.

CONKEY'S POULTRY WORM REMEDY

25c. and 50c.

CONKEY'S LICE POWDER

Contains sodium fluoride. 25c. and 50c.

BLACK LEAF WORM POWDER

Nicotine powder—odorless, tasteless and insoluble. One dose expels large, round worm without handling birds. 100 bird treatment, 75c., 600 bird treatment \$3.00, 1200 bird treatment \$6.00.

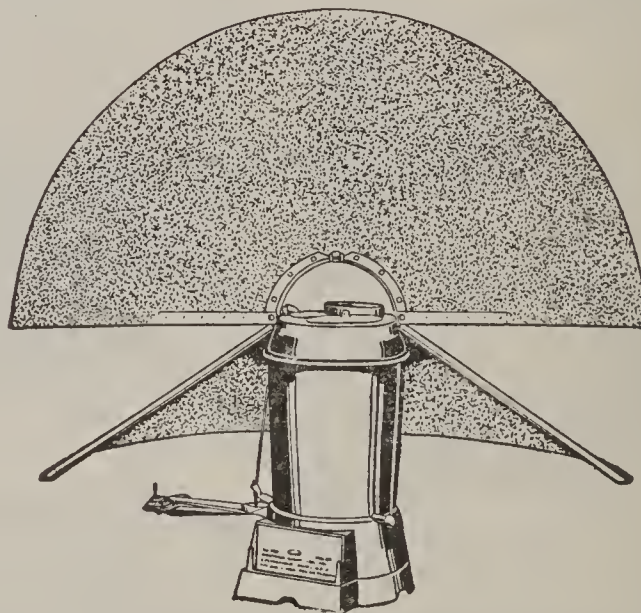
PRATT'S ROOST PAINT

For delousing poultry, paint roosts lightly about an hour before roosting time. Easy, simple and effective—no handling birds. ½ pt. 75c., 1 pt. \$1.25 (1 pt. will paint 300 ft. of roost).



Electric Combination Incubator and Brooder—

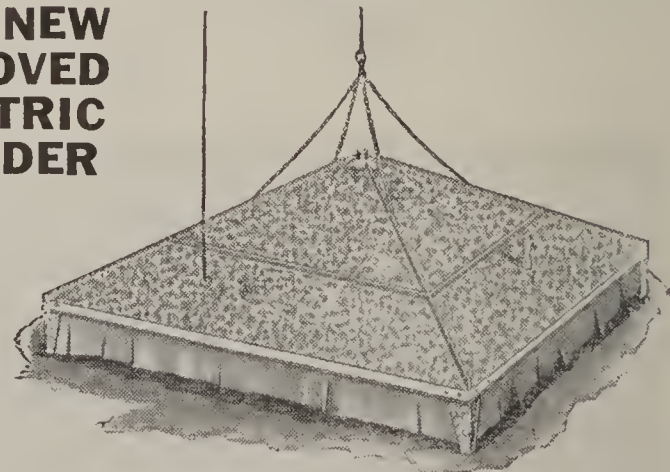
100-egg size\$13.40



STAR COAL BROODERS

Red Top. 48 in.....	\$15.75
Red Top. 52 in.....	18.30
Star. 54 in.....	19.95
Star. 62 in.....	22.95

STAR NEW IMPROVED ELECTRIC BROODER



Beacon B9—30 in. diameter, 200 chick.....	\$9.00
No. 521—48 in. 150-chick Electric Brooder.....	10.40
Small Electric Brooder.....	2.40
No. 752—52 in. Electric.....	24.00
Electric Gro-Ezy Brooder—22 ½ in.x35 in.x11 in. high single unit.....	9.90

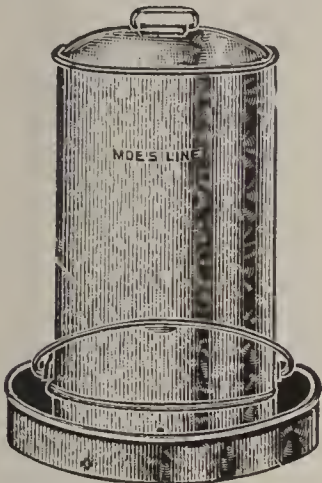
STAR OIL BURNER BROODER

No. 557—Acorn Oil Brooder, 52 in. canopy, 500-chick.....	\$21.60
No. 852—Blue Flame Oil Brooder—52 in. canopy.....	11.40

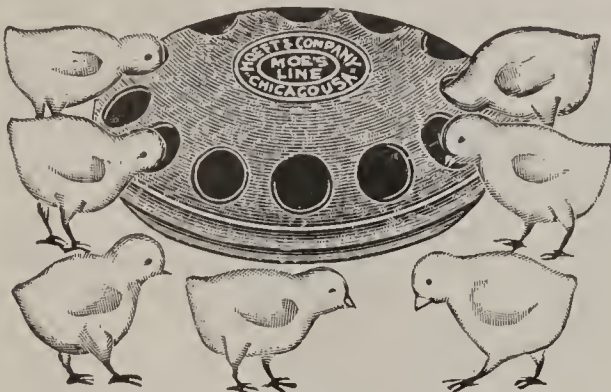
POULTRY SUPPLIES

Prices Subject to Market Variations

We carry a full line of Starline Feeders, Fountains and Hoppers for Poultry



Top Fill Fountain



Round Chick Feeder



Gem Fountain



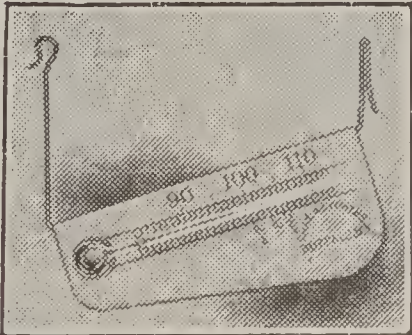
Jar Fountain



RELIABLE
EGG TESTER

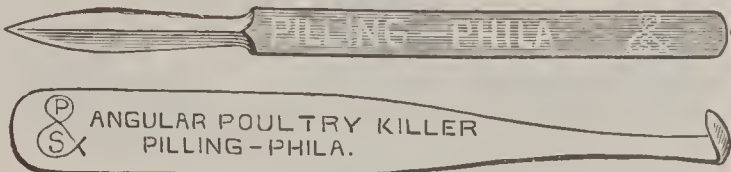
Quick in action, it shows every defect in egg instantly; equipped with reflector and can be used wherever there is electricity. 95c.

SPOT LIGHT TESTER
\$1.50

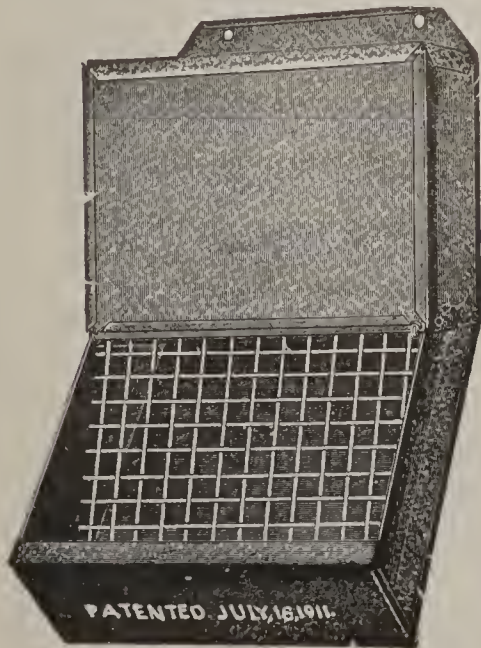


Incubator Thermometer

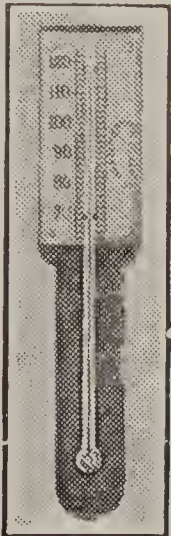
Star 1 gallon Waterer.....	Each 60c.
Star 2 gallon Waterer.....	Each 80c.
Star 3 gallon Waterer.....	Each \$1.40
Star 8 gallon Waterer.....	Each \$3.95
Star 8 gallon Waterer with heater.....	Each \$6.15
Star 8 gallon Waterer with heater and stand.....	Each \$7.90
Star Dry Mash Feeders.....	From 20c. to \$6.25
Shell and Grit Feeders.....	Each \$1.35
Mason Jar Feeders.....	Each 8c., 3 for 21c.
Beacon Feeders, 28 inch long.....	Each 35c.
Beacon Feeders or Waterer.....	Each 30c.
Beacon Round Guarded Feeders.....	Each \$1.35
Tattoo Outfit for Poultry.....	Each \$4.00
Leg Bands for chickens, hens and turkeys.....	From 30c. to \$1.25 per 100
Thermometers for incubators and brooders.....	Each 35c. to \$1.00
Caponizing Sets.....	Each \$3.00 to \$7.00
Poultry Killing Knives.....	Each 60c.
Poultry Markers.....	Each 25c. to 50c.
Gape Worm Extractor.....	Each 25c.
Stone Drinking Fountain for sour milk.....	Each 60c.
Felkers 1 gallon Fountain.....	Each \$1.15
Felkers 3 gallon Fountain.....	Each \$1.75
Felkers Electric Heater for waterers.....	Each \$1.00
Acme Egg Scale.....	\$2.50
Reliable Egg Scale.....	\$1.25
Manilla Egg Boxes ..Doz. size, doz. 15c., 125, \$1.10, 250, \$2.00; 500, \$3.75, 1000, \$6.50	
Nest Eggs Porcelain Glass.....	Doz. 30c.
Brooder Wafers. Fine quality .3 in., 4 in., 5 in.,	25c. to 40c.



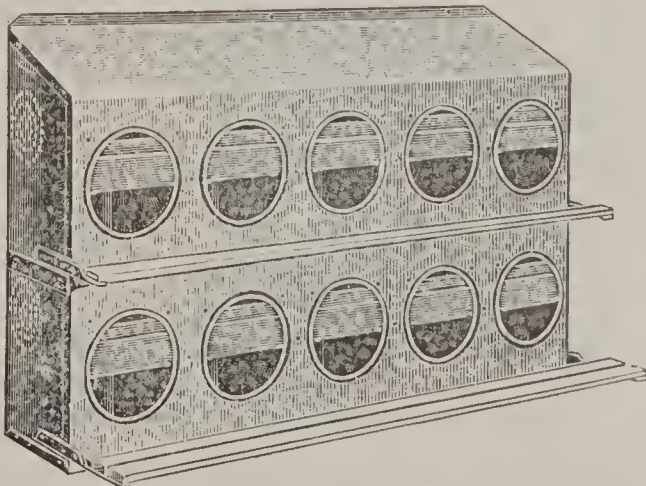
Killing Knives



Dry Mash Hopper



Brooder
Thermometer

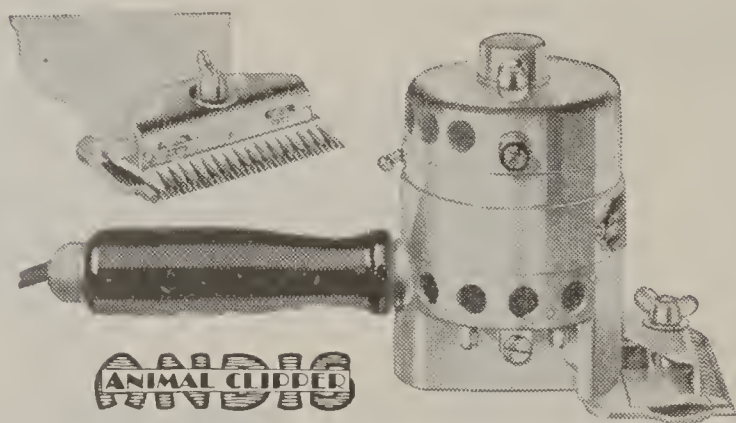


STAR POULTRY METAL NESTS

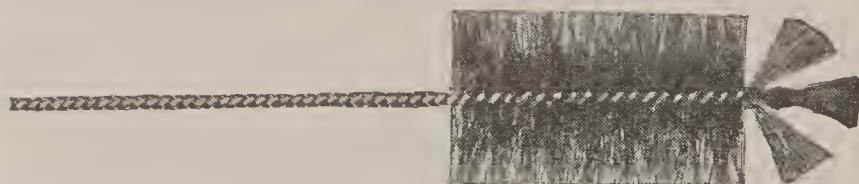
Steep metal roof to keep poultry from roosting on top.
6 hole sections \$6.00, 10 hole sections \$8.60.

DAIRY AND FARM NECESSITIES

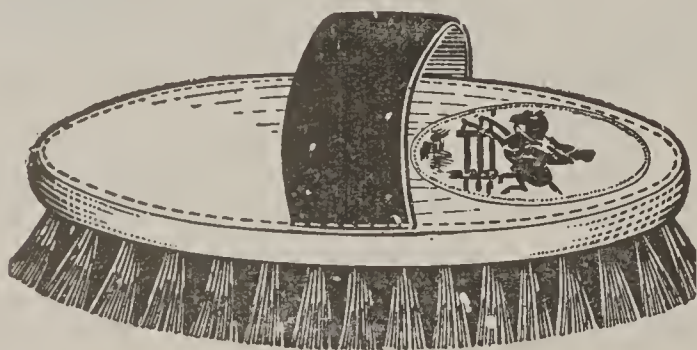
Subject to Market Fluctuations



Andis Electric Clippers.....Now only \$15.00
 Steward Electric Clippers.....\$17.95
 Anti-Cow Kicks.....30c.-\$1.25
 Bag Balm.....Pkg. 60c.
 Blankets for Horses and Cows..\$3.35 to \$4.50
 Barkers Cattle Powder.....Pkg. \$1.00
 Bottles. Quart, pint and ½ pint. Doz. 60c. to \$1.00
 Bottle Boxes, pint and quart.....\$2.00 to \$2.30
 Milk Bottle Caps, printed with your name. Ask for prices.
 Milk Bottle Caps, printed "Raw Milk from Tuberculin Tested Cows." Per box of 1000, 65c.; per box of 5000, \$3.00.
 Caps in Tubes. 500, 35c.

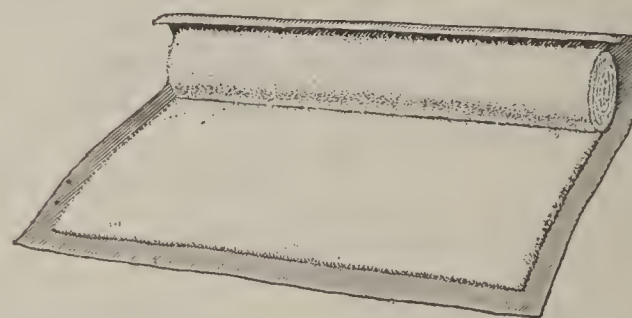


Bottle Brushes. Hand and machine sizes.
 40c. to 80c.
 Bottle Fillers.....\$12.00 and up
 Bottle Washers.....\$10.00 and up

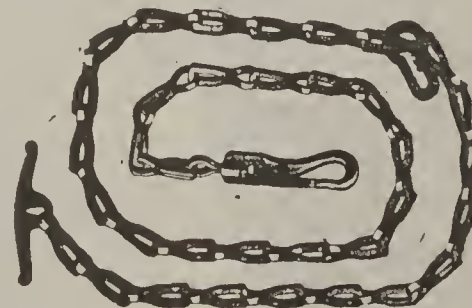


Brushes.....40c. to \$1.80
 Curry Combs and Cards for cattle cleaning.
 25c. to 40c.
 Sponges.....25c. to \$1.00
 Chamois.....75c. to \$1.45
 Brushes. For milk bottles, cans, etc..45c. to 60c.
 Bull Rings. Copper and steel.....25c. to \$1.50
 Bull Staff Wood.....\$3.00
 Bull Staffs. All metal.....\$4.50
 Butter Ladle.....90c.
 Butter Molds and Presses.....\$2.00 to \$4.50
 Cow Stop Leak Teat Salve. Pkg.....\$1.25
 Churns. Cylinder, monument and stone, in various sizes. Also Daisy glass churns....
 \$1.85 to \$3.75
 Cream Cans. Heavy weight tin, various sizes.
 \$1.15 to \$3.25
 Cream Kettles. 4 to 20 quarts. Heavy-weight.....\$1.50 to \$3.35
 Light weights—less.

De Horner's, Improved Keystone.....\$18.00
 Garget Cure. Pkt.....65c.
 Harness. We have added to our line a good grade of farm harness collars and pads. See us before buying.
 Kow-Kare. Small can 65c., large can \$1.25, 6 for.....\$6.25
 Lids. For New York and Philadelphia shipping cans.....\$1.20 to \$1.30
 Measuring Sticks. For milk shipping cans. Metal 60c., wood.....\$1.00
 Milk Cans. Heavy shipping, 20-qt. cans, \$4.75; 30-qt. \$6.20, 40-qt. \$6.30. Lighter weight, 40-qt. \$5.65
 Milk Dippers. Various sizes, seamless. 75c. and 85c.
 Milk Fever. Outfit.....\$3.00
 Milk Strainers.....\$1.00 to \$2.50
 Oil for Separators, De Laval. ½ gal. 85c., gal.\$1.45
 Pails. Heavy sanitary soldered. 12 to 14 qt. \$1.10 to \$1.25
 Pails. Heavy galvanized, 10 to 16 qts. 30c. to \$1.25
 Pails. Electric weld and seamless milk pails, several styles both open and hooded, from \$2.10 to \$3.00
 Push Brooms for walks and stables..\$1.00 to \$1.25
 Tractor Funnels.....\$1.50



Sanitary Filtering Milk Cloths. 18 in. wide, 20 ft.....\$1.85
 Sanitary Parchment Paper. For shipping can lids. 250—11x11.....\$1.00
 Separators, De Laval.
 Chatillon Milk Scale. 30 lb. capacity.....\$7.00
 Scales. Milk register scale.....\$3.50
 Vegetable scales.....\$2.50 and up.
 Egg and Platform in all sizes and weights.
 Scrapers, Dairy Barn Floors. And other makes.
 \$1.25 to \$1.35
 Thermometers. Various kinds.....30c. to \$2.50
 Garget Cups.....\$1.05



Tie Out Chains. 20-, 30- and 40 ft., light and heavy.....60c. to \$1.05
 Water Trough. Galvanized.....\$1.50 to \$2.00
 Star Water Bowls.....Each \$3.60

DAIRY SUPPLIES

PRICES SUBJECT TO MARKET VARIATIONS

We carry a good assortment of dairy pails in all sizes, also milk cans, strainers, stools, stirrers, dippers, measuring rods, cream cans, garget cups, milk coolers and aerators, funnels, garbage cans, ash cans; wash tubs, gasoline and kerosene cans, galvanized water pails in all sizes.



SOLDERED, SANITARY MILK PAILS

These pails can be had in open top only.
10 qt. size.....\$0.60
12 qt. size..... .75

Electric Weld and Seamless Pails—Open Top

12 qt.....\$2.25
14 qt..... 2.40

Hooded Top Pails

12 qt.....\$2.40
14 qt..... 2.55



GALVANIZED BASKETS

Can be used for ashes, feed or ensilage.
1 bu. size.....70c. and up
1 1/2 bu. size.....\$2.10 and up



GALVANIZED WATER PAILS

We carry a large assortment of galvanized water pails in all sizes and weights.

12 qt.....\$0.65
14 qt..... .70
16 qt..... .75
12 qt. light..... .40

WOOD PAILS

10 qt.....45c. and up



MILK CANS

Best quality. N. Y. pattern. Umbrella covers.
Weight
20 qt.17 lbs.\$4.75
30 qt.25 1/2 lbs. 6.20
40 qt.29 lbs. 6.30
40 qt.19 1/2 lbs. 5.65



CREAM KETTLES

2 qt.....\$1.25
4 qt..... 1.50
6 qt..... 1.75
8 qt..... 1.95
10 qt..... 2.15
12 qt..... 2.40
16 qt..... 2.85
20 qt..... 3.35



CREAM CANS

This can be had with or without faucet.
14 qt. without.\$1.15
18 qt. without. 1.30
11 1/2 qt. with. 3.15
17 1/2 qt. with. 3.25



STRAINER PAILS

For the trade who only have a family cow. Pail has 60 mesh screen.
10 qt.....\$1.85
12 qt..... 1.95



DISC FOR STRAINER
and all repairs.



COTTON DISC

No. 100, 6 in.\$0.35
No. 300, 6 in. 1.00

FLANNELS

No. E50.. ..\$0.55
No. E300..... 3.35
The cotton disc can be had in 6 in. 35c. and 6 1/2 in. sizes 40c.
The square flannels we carry in 7 in. and 8 in.



STRAINERS

This type of strainer has become very popular. The cotton discs are placed on the inside and cannot get out of place. A fast flowing strainer.
10 qt.....\$1.15
12 qt..... 1.35
16 qt..... 2.50

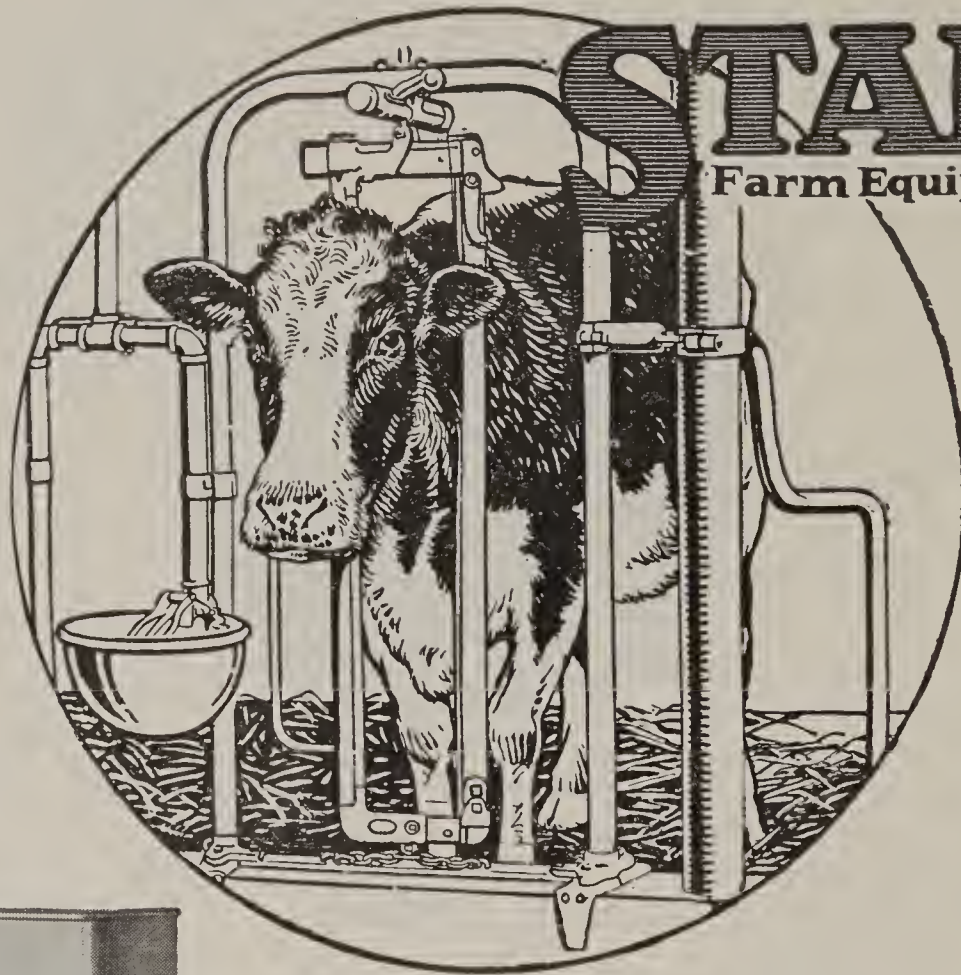


GARBAGE PAILS and CANS

Cans.....\$2.20 and up
Pails.....\$1.50 and up
Without cover.
Cans with cover.....\$2.70

EVERYTHING IN THE DAIRY DEPARTMENT

Prices Subject to Market Fluctuation



STAR
Farm Equipment



**Gives you the
kind of stall
YOU want**

STAR AND NEY FEED LITTER, MANURE AND HAY CARRIERS

Also extra parts we
carry in stock. Prices on
application.

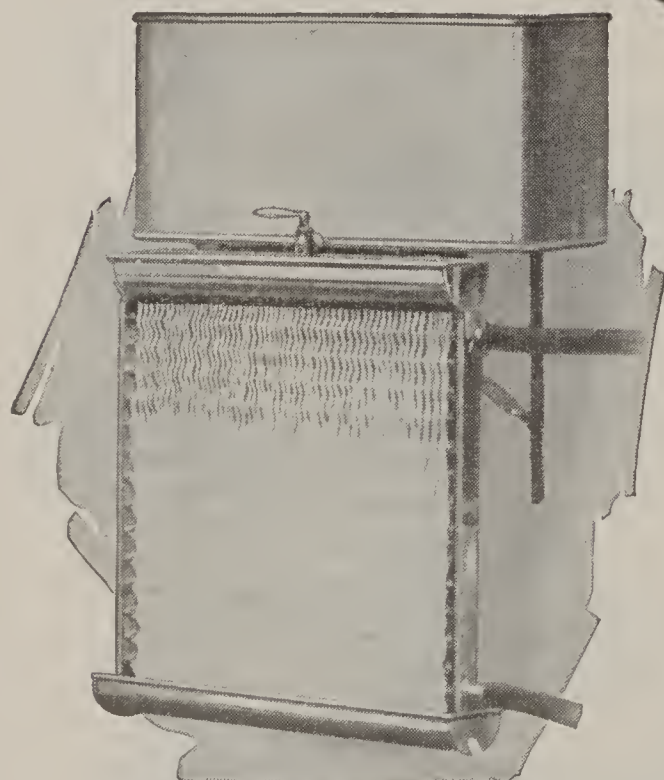
THE CRUMB STANCHION

Is the best wood stan-
chion made and is easier
on your cattle than any
other. Price, double bolted,
\$2.85.

STAR COW STALLS

With curb clamp
Also water bowls,
both stationary
and detachable

We are distribu-
tors of the Star
line. Get our
prices before you
buy.



ATLANTIC COOLER

No. 922—50 gal. per hour, \$36.00

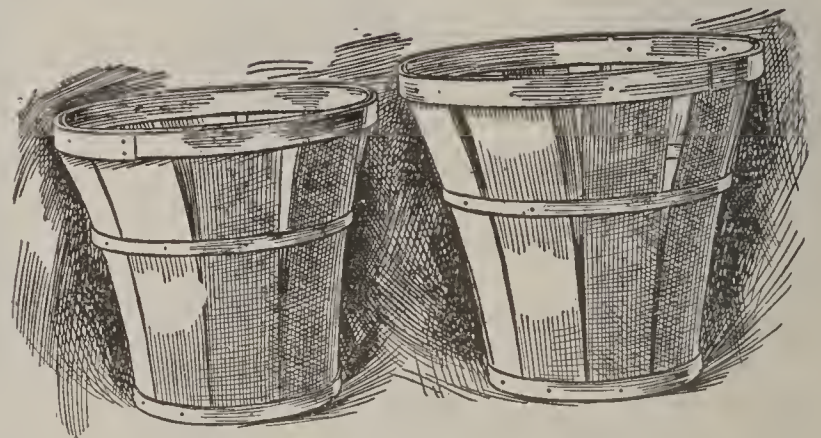


Milking Tubes, 25c. Up



CHLOROFECTIONT

Poultrymen can save their
flocks by using it. The efficient
antiseptic disinfectant and deo-
dorant for the dairy. As a dis-
infectant, to sterilize all utensils
and to destroy foul odors. Gal.
\$2.00, 5 gal. \$8.50.



BASKETS AND HAMPERS

Fruit and Berry boxes of all sizes

Clothes Baskets.....	59c. and 69c.
Market Baskets.....	50c. up
Delivery Baskets.....	\$1.10 and up
Butcher Baskets.....	\$1.25 up
Counter Baskets.....	60c. up
Picking Baskets.....	65c. to 85c.
Lunch Baskets.....	\$1.15 up
Fruit and Display.....	15c. each, \$1.50 per doz.

ROPE, BINDER TWINE AND FODDER YARN

Rope, 1/4 in. to 1 1/4 in. sizes.....	15c. per lb. and up
Binder Twine.....	5 lb. balls 65c., and 8 lb. balls \$1.00.
Fodder Yarn, 25 lb. and 50 lb. bales.	Prices on application for bale lots.

DISINFECTANTS, DAIRY INSECTICIDES AND FLY-SPRAYS

See Page 62

PLANET JR. FARM AND GARDEN TOOLS

Also Iron Age Seeders and Cultivators
PRICES SUBJECT TO CHANGE



No. 25 PLANET Jr. HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE, \$23.50

Hundreds of Planet Jr. users call this the "complete gardener." Sows all seeds in drills and drops in hills. Used as a double wheel hoe, it is possible to work both sides at one time. After that the single wheel hoe permits cultivation on both sides of the row and in the middles. The cultivating attachments do all the necessary plowing, furrowing, hilling and general cultivation in the garden.

NO. 3 HILL AND DRILL SEEDER, ONLY \$19.00

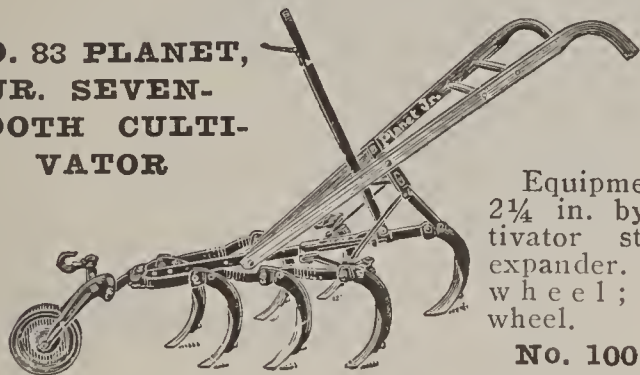


No. 12 PLANET Jr., DOUBLE AND SINGLE WHEEL HOE COMBINED, \$11.50

A very popular combination Double and Single Wheel Hoe. Many customers write that they would not do without it for a great many times its cost. Rows can be straddled until the plants are 20 in. high, cultivating both sides at one time. Cultivating attachments permit you to do all the necessary work in the garden.

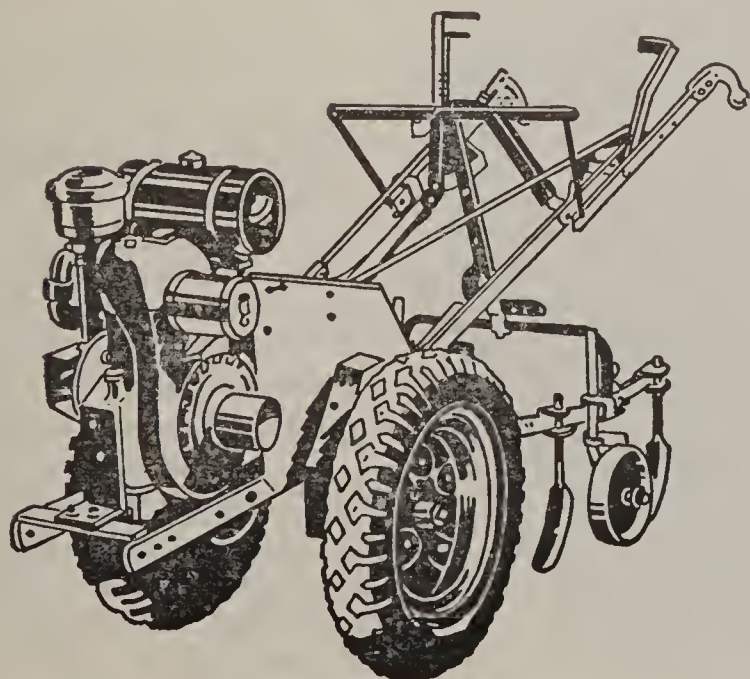
NO. 17 SINGLE WHEEL HOE, \$8.00

NO. 83 PLANET, JR. SEVEN-TOOTH CULTIVATOR



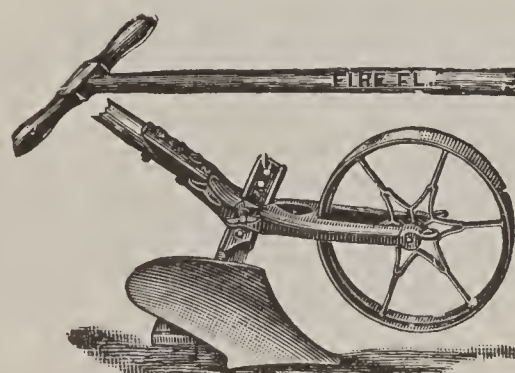
Equipment: Seven 2 1/4 in. by 8 in. cultivator steels; level expander. \$14.00 with wheel; \$12.50 no wheel.

No. 100 D, \$8.00



THE NEW PLANET Jr. No. 300 DRILL

A practical market gardeners' and small planters' Drill Hopper much larger than other drills. Price \$21.00.



FIRE FLY PLOW

With this tool you can open and close furrows, hill up plants, and cultivate the garden in general. \$4.50.

NO. 119 HIGH WHEEL GARDEN PLOW AND CULTIVATOR, \$4.00

A very handy tool

NO. 9 PLANET, JR. HORSE HOE WITH STEEL WHEEL

A wonderful tool as a cultivator and for plowing to and from crop. \$14.50.

NO. 4 D NO WHEELS, \$10.50



PLANET, JR., MODEL F. T.

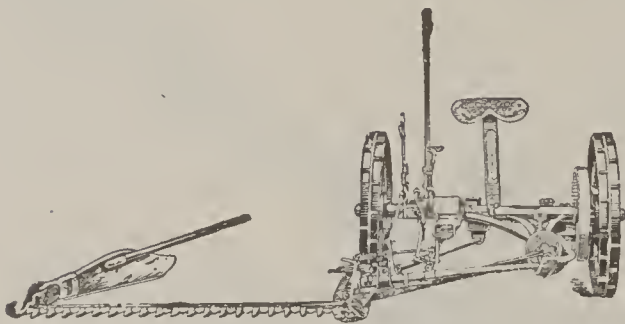
Standard equipment 3 1/2 in. x 24 in. iron wheels with spade lugs. Wheel spacing 14 1/2 in., 16 in., 18 1/2 in., 20 in. centers. Recommended for average soil conditions. Cultivator 27 in. wide adjustable. Plow will throw 8 in. furrow. You will find this an easy Tractor to operate.

Can be equipped with rubber as shown.

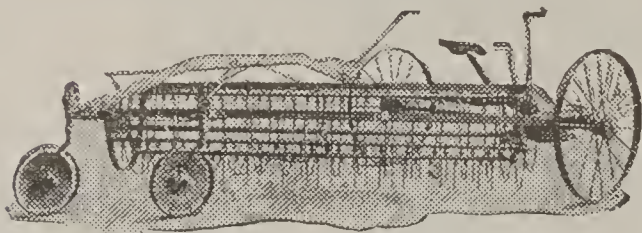
FARM IMPLEMENTS

Of the Practical Kind in Stock

PRICES ON APPLICATION



Field Mowers

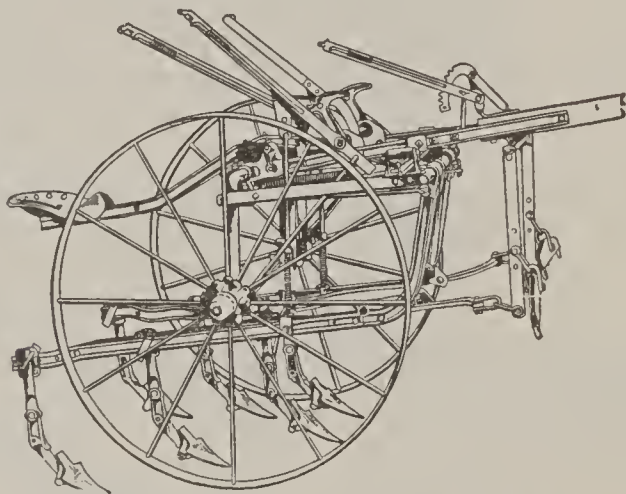


Side Delivery and Dump Rakes, and Hay Loaders

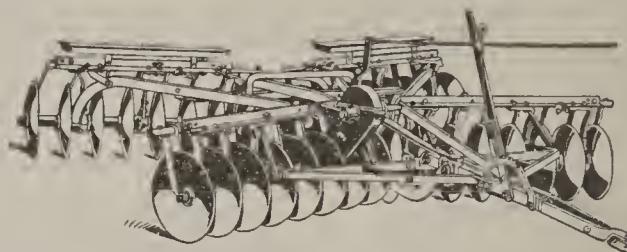
BUCH'S WOOD SAWS

No. 9, steel frame with small diameter, balance wheel does not interfere with long sticks.

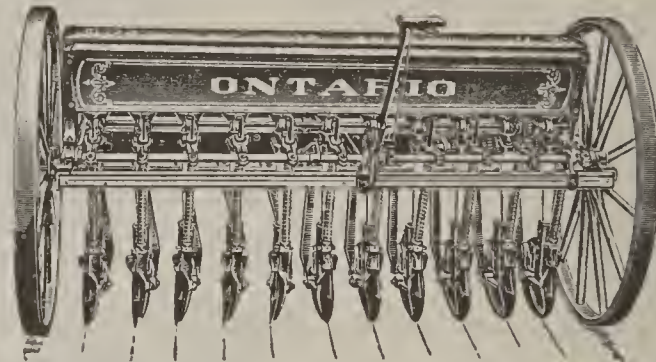
No. 8, hardwood, full bolted with wrought buckets bolted to sill and legs well braced throughout. Cold rolled steel mandrel, 1 7/16 in. dia., 50 in. long for blade, 1 3/4 in. bore, bearings self-aligning, ball and socket type two-piece babbitted for high speed.



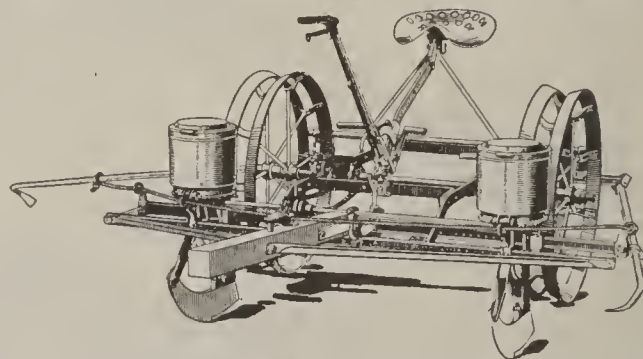
Cultivators of Various Makes



Disc Harrows, Horse or Tractor Drawn. All Sizes Also spike tooth, spring tooth and meeker harrows



Grain Drill, Hoe and Disc, and Lime Spreader



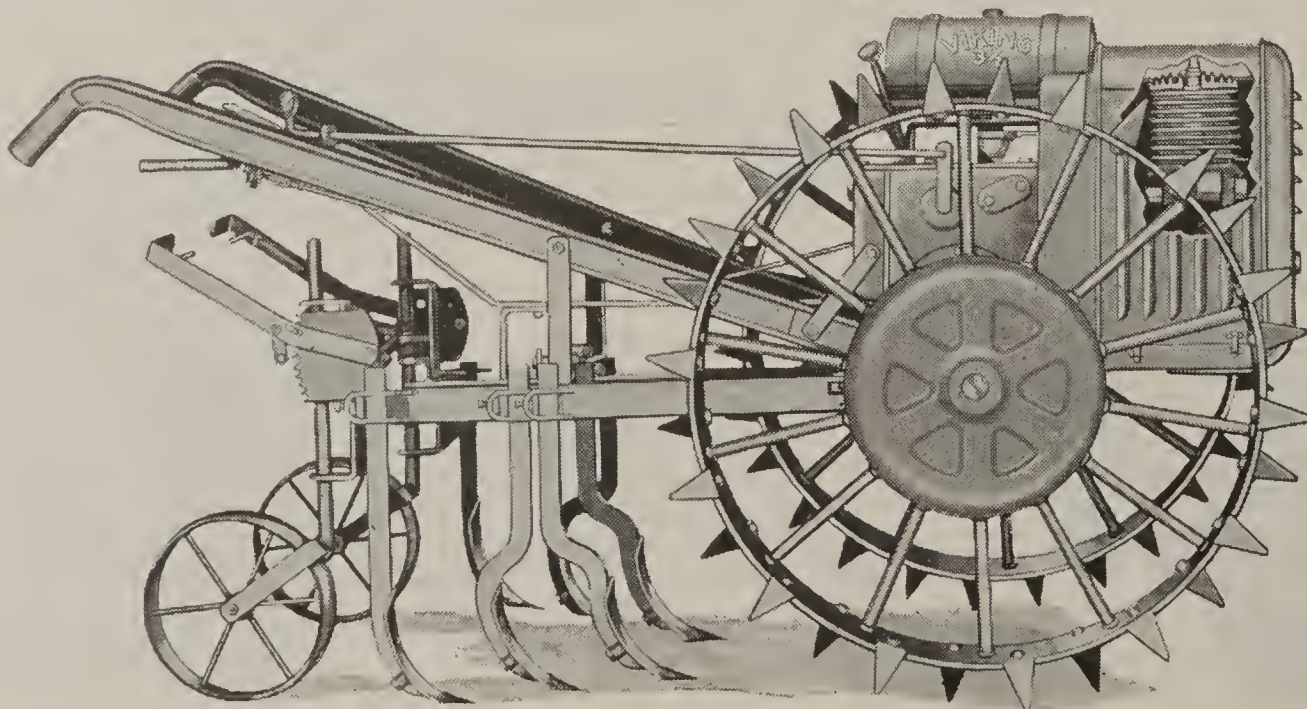
Corn Planter and Fertilizer Attachment



Manure Spreader—A Good One

CIRCULAR SAWS, CURTISS

18 in. Cross cut....	\$3.35	26 in. Cross cut....	\$6.00
20 in. "	3.90	28 in. "	7.00
22 in. "	4.85	30 in. "	8.25
24 in. "	5.50	32 in. "	9.60



THE VIKING

Single 3 1/2 H.P. and Twin 5 H.P. Two Speeds Forward and Reverse with Power Turn.

High clearance, adjustable treads, flexible draw bar equipment and full enclosed construction at every point.

BUILT FOR LONG SERVICE

The Vikings are built to give the same type of reliable service that you would expect from any high quality product.

We Are Headquarters for Variety of Practical Farm Machinery

Prices subject to variations

We carry walking plows in all sizes both one and two horse.

All size shares for Syracuse, Oliver, South Bend, Wiard and John Deere.



WIARD PLOW

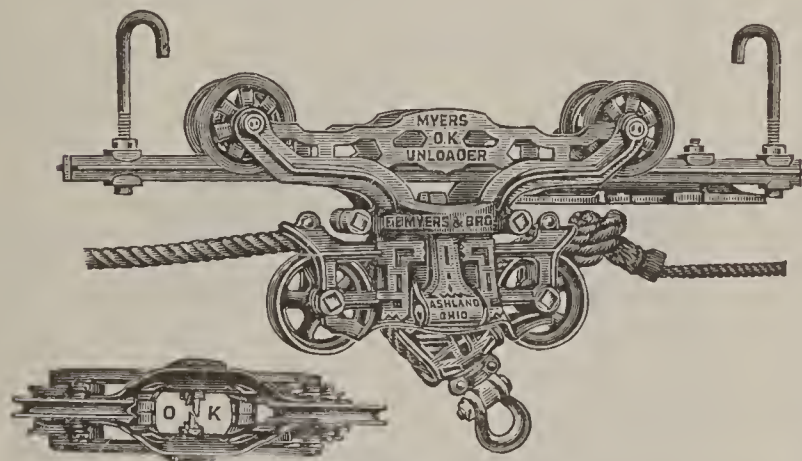
Prices from \$11.75 to \$28.75



THOMPSON'S WHEELBARROW SEEDER,
\$17.50

For clover and grass. Box 14 ft. long.

SINGLE HOPPER FAIRWAY SEEDER
10 ft. \$20.00



HAY CARRIER, \$12.00



MYER'S DOUBLE RAIL TRACK

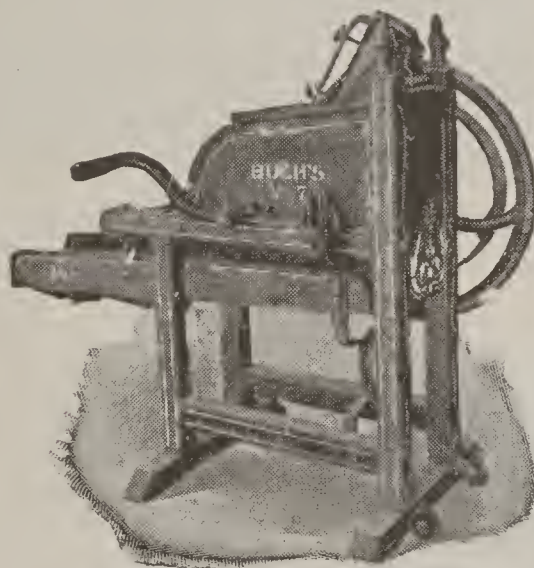
For long service use double rail track. Your car cannot jump off. Track 25c. per foot.



CYCLONE SEEDER
Will sow all seeds, \$2.75



CAHOON SEEDER, \$6.00



BUCH CORN SHELLER

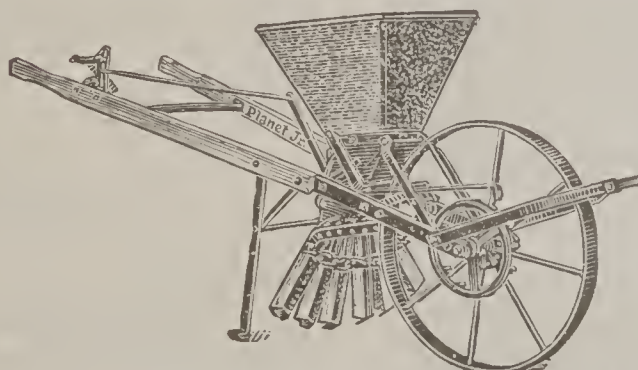
One-hole\$16.50
Two-hole 37.50



FRUIT PICKING BAG

Will save the fruit
\$1.75 to \$3.50

SO-RITE FERTILIZER DISTRIBUTOR
3 Spouts, \$25.00; 5 Spouts, \$31.00



No. 220 PLANET JR. FERTILIZER DISTRIBUTOR, \$29.50



Step Ladders, 3 to 16 ft. 40c. to 85c. per ft.
Fruit Ladders, 10 to 26 ft. 30c. to 43c. per ft.



PRICES
Subject to
Variations

Extension Ladders

24 ft.	\$11.00
28 ft.	13.00
32 ft.	14.75
36 ft.	18.00
40 ft.	20.00

Single Ladders

10 ft.	\$3.60
12 ft.	4.30
14 ft.	5.00
16 ft.	5.75

**Window Cleaner Sectional
Ladder . \$2.30 to \$2.60 each**

**Adjustable Builders' Jacks.
\$9.50 to \$16.50 pair**

**Extension Ladder Tressels.
\$10.50 to \$20.50 each**

Platform Safety Step Ladders

No. 8.	\$11.00
No. 9.	12.00
No. 10.	13.50

Farmers Boilers
\$32.00 to \$38.00
according to size

CRUMP'S

"Master Made"

HARNESS GOODS



**COLLARS,
HARNESS, HAME STRAPS
COW AND HORSE HALTERS
& STRAP GOODS OF ALL KINDS**

**A
Home
Guard**

RUBEROID
TRADE MARK REG. U.S. PAT. OFF
ROOFING

Guards against rust and decay.
Contains no tar or paper. Outlasts
metal and shingles.

**WATER & WEATHER-PROOF
FIRE-RESISTING**

RUBEROID is the pioneer ready to lay
roofing. Any handy man can apply it.
See that you get the genuine.
Write for prices and samples.

RUBEROID, genuine	Roll
35 lb.	\$1.65
45 lb.	1.95
55 lb.	2.30
65 lb.	2.80
75 lb.	3.35
STAREX, genuine, 35 lb.	1.40
45 lb.	1.70
55 lb.	2.00
65 lb.	2.40
WIGWAM, 35 lb.	1.15
45 lb.	1.35
55 lb.	1.50
TAR PAPER, 1 ply Slaters felt	1.45
Heavy Mineralized Roofing, in red and green colors	2.85
Roofing rolls contain 108 sq. ft.	
RUBERINE ROOF PAINT	
Black, 1 gal.	\$0.95
" 5 gal.	4.20
Red, 1 gal.	\$1.50
" 5 gal.	6.50

PET DEPARTMENT

Prices Subject to Market Fluctuations

Always Better Birds at Ribsam's

This is not only our slogan, but a statement which we are prepared to prove. We carry a full line of Birds, Gold and Tropical Fish, and supplies. Our foods are always fresh, and prepared by experienced bird specialists, who are qualified to give advice on corrective diets and health restoring foods.

BIRD REQUISITES

BIRD CAGES AND STANDS

All the standard sizes and shapes in chromium, brass, and enamel at prices from \$1.50 and up.

Cages and Stands. Complete; as low as \$2.55.

The Celebrated S. & M. Cages. All brass with bound glass seed guards and inside covered cups, double bottom drawer base in two sizes: 9 in. x 12 in. \$6.95, 10 in. x 13 in. \$7.95.

Separate Stands are available to match most any cage, from \$1.00 and up.

Finch Cages. With stand. \$4.75.

Parrot Cages. \$6.95 to \$25.00.

Breeding Cages. All metal, mite proof, complete with nests and perches. \$1.40 to \$5.95.

BIRD FOODS

Ribsam's Best Canary Mixture. Lb. 15c., 2 lbs. 25c., 10 lbs. \$1.10.

Ribsam's Best Parokeet Mixture. Lb. 15c., 2 lbs. 25c. 10 lbs. \$1.10.

Ribsam's Quality Sunflower Seed. Lb. 15c., 2 lbs. 25c., 10 lbs. \$1.10.

Argentine Canary Seed. Lb. 15c., 2 lbs. 25c.

Sweet Summer German Rape. Lb. 15c., 2 lbs. 25c.

Argentine Hemp. Lb. 15c., 2 lbs. 25c.

Thistle Seed. Lb. 35c.

Maw Seed. Lb. 25c.

Lettuce Seed. Lb. 25c.

Yellow and Red Millet Seed. Lb. 15c., 2 lbs. 25c.

Mocking Bird Food. Lb. can 45c.

Spratt's Pollicrackers. Box 20c.

Spratt's Parrot Mixture. 10 ozs. 20c., 16 ozs. 30c.

Spratt's Nesting Food. 15c., 5 lb. bags. \$1.50.

Spratt's Sing Song. 10c., 3 for 25c.

8 in 1 Song Restorer. Bottle 25c.

Burnett's Song Restorer. Bottle 25c.

Burnett's Pep. Each 10c., 3 for 25c.

Burnett's Color Food. 25c.

Eureka Bird Food. Bottle 25c.

BIRD GRAVELS

Washed Silver Gravel. 2 lbs. 10c., 10 lbs. 25c., 100 lbs. \$1.50, delivered.

Burnett's Bird Teeth with Charcoal and Grit. 15c., 2 for 25c.

Gravel Papers. Pkg. 20c., 6 for \$1.00.

Cuttle Bone. Each 5c., 50c. per lb. all whole pieces.

BIRD TONICS AND MEDICINES

Tried and Proven of Merit

Burnett's Song Restorer. 25c.

Burnett's Tonic. For cold conditions. 25c.

Burnett's Lice Powder. In pkg. or bellow, 25c.

Burnett's Moulting Food. 25c.

Burnett's Lightning Regulator. 25c.

8 in 1 Tonic. 25c.

8 in 1 Song Restorer. 25c.

Bird Bitters. 25c.

Ozonat Asthma Remedy. 35c.

Bird Salve. 15c.

Bird Balm. 15c.

A Full Line of Capern's Homeopathic Remedies. Each 15c.

BIRD CAGE ACCESSORIES

Bird Baths in Assorted Colors. 35c.

Seed Catchers and Guards. Per set, 95c. to \$1.25

Cups, Pyrolin. 30c., 2 for 55c.

Cups, Porcelain. 10c., 3 for 25c.

Perches. 10c., 3 for 25c.

Cage Hooks. Brass and nickel plated. 25c.

Springs. 10c., 15c., 25c., 35c.

FISH REQUISITES

AQUARIUMS

Girard Aquariums. Bulb edge, chromium plate, and slate bottom. 2 gals to 10 gals. \$2.10 to \$8.75.

Pott's Aquariums. Metal frames, slate bottom. 2 gal. to 15 gal. \$1.00 to \$6.25.

All Glass Rectangular Aquariums. 1 gal. to 5 gals. \$1.60 to \$5.95.

Fish Bowls.

Drum Shape Bowls. ½ gal. to 2 gals. 20c. to 80c.

Round Bowls. 1 and 2 gals. 35c. to 80c.

All Glass, Drum Shape, Crystal Glass Moulded. \$4.00 to \$10.00.

Also wide assortment of
STANDARD AND TABLE AQUARIUMS
\$1.75 and up

FISH FOODS

Burnett's Glandex. Coarse, medium, fine. 25c.

Burnett's Daphnien. 15c.

Burnett's Shrimp. 15c.

Burnett's Natural. 10c.

Burnett's Wafer. 10c. and 3 for 25c.

Burnett's Turtle Food. 15c., 2 for 25c.

Burnett's Infusoria Powder. 25c.

Natural Fish Food (in bulk). 25c. per lb.

Geha, Tropical Fish Food. From 000 to No. 1. 15c.; 2 for 25c.

Wawil, Tropical Fish Food. 15c.; 2 for 25c.

Reliance Fish Nutrition. Coarse, medium, fine. 25c.

Spratt's Natural Fish Food. 10c.

Ant Eggs. Oz. 10c., 3 ozs. 25c., ¼ lb. 30c., lb. \$1.00.

Vito Fish Food. 15c., 2 for 25c.

FISH REMEDIES

Antidiscrassicum, Ich and Fungus Remedy. 40c.

Zurnite. Water conditioner. Each 10c., 3 for 25c.

Antiseptic Aquarium Balls. Neutralize acid conditions in water. 10c., 3 for 25c.

Tropi-rok. Water oxidizer. 10c.

We carry a wide assortment of
AQUARIA ACCESSORIES
including

Castles, Pebbles, Sands, Grasses, Aquaria Scrap-
pers, Feeding Rings, Siphons, Heaters, Dip Tubes
and Fish Literature

GOLDFISH

All sizes and sorts in these lively little pets: Telescopes, Fantails, and numerous Japanese sorts that never become outdated.

Goldfish. 6 for 25c. up.

Comets. 3 for 25c. up.

Japanese Fantails. 2 for 25c. up.

Moore's. 15c. up.

Japanese Telescopes. 25c. and up.

Shubunkins. 15c. and up.

SCAVENGERS

Snails. 5c.

Weather Fish. 20c.

Salamanders. 20c.

Baby Turtles. 10c.

TROPICAL FISH

Midget in size, are the coming thing. We carry a large number of the more popular tropical fish in stock all the time. Come in and consult our expert on your fish problems. Prices much lower than formerly.

DOG AND CAT SUPPLIES

FOODS, CONDITIONERS, REMEDIES, NOVELTIES

GAINES FOODS

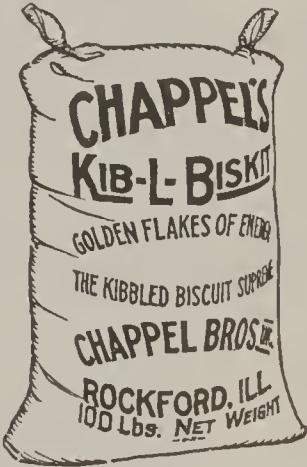
Economical, completely balanced foods for all types of dogs, containing Beef, Egg Yolk, Vegetables, Minerals, Milk, Whole Wheat, Whole Rice, Yellow Corn, and Cod Liver Oil. A biological tested food for dogs and puppies.

Gaines Cooked Meal. 1 lb. 10c., 5 lbs. 45c., 10 lbs. 85c., 25 lbs. \$1.70, 50 lbs. \$3.20, 100 lbs. \$6.00.

Gaines Krunchons. Compressed form of Gaines Cooked Meal. 1 lb. 11c., 5 lbs. 50c., 10 lbs. 90c., 25 lbs. \$1.85, 50 lbs. \$3.60, 100 lbs. \$7.00.

CHAPPEL'S FOODS

Ken-L-Biskit and **Kib-L-Biskit** contains 20 ingredients. It contains over 33 per cent fresh, pure lean meat from animals that have been U. S. inspected and passed. It is positively guaranteed that only the meat of the horse is used in making this remarkable food. 1 lb. 12c., 5 lbs. 55c., 10 lbs. \$1.00, 25 lbs. \$2.25, 50 lbs. \$4.25, 100 lbs. \$8.25.



"THEY FIGHT FOR SPRATT'S"



SPRATT'S FOODS

For sixty years the standard dog food, used by leading breeders and fed at the principal dog shows throughout the world.

Plain Ovals.....Lb. 17c.
Charcoal Ovals.....Lb. 18c.
Cod Liver Oil Ovals.....Lb. 18c.
Spix Biscuits.....Lb. 17c.

Larger quantities priced proportionately lower—prices on request.

AUSTIN'S DOG AND PUPPY BISCUITS

A completely balanced dog food, bone-shaped, containing all essential ingredients for a complete food—Bread Nibbles, Puppy Bone and Large Dog Bone, all 15c. per lb., 10-lb. lots, 13c. per lb. Larger quantities—price on request.

CAT FOODS

Spratt's Cat Food (fish-flavored).....box 30c.

SPRATT'S DOG AND CAT REMEDIES

We carry a complete stock of remedies manufactured by this world famous company. All remedies, 10c and 60c. per package.

SPRATT'S DOG BOOKS

A complete and thorough discussion on the care and ailments of dogs. Free on request.

Gee I wish my boss would give me some of that

You can't blame him. Fleischmann's Yeast for Dogs helps to keep him in wonderful condition, to eliminate skin trouble and intestinal disorders and to

GIVE YOUR DOG A FINER, GLOSSIER COAT

8 oz. can 50c (a month's supply)
1 lb. can 85c

Just add a teaspoonful to his daily food.

FLEISCHMANN'S
Irradiated Dry
YEAST for DOGS

3 1/2 oz. Trial pkge. 25c.

HARNESS, COLLARS, LEASHES, SWEATERS, COMBS, BRUSHES, MATTRESSES

We carry a large assortment of Dog Supplies, such as collars, harness, leather and chain leashes, choke straps, coupling chains in all colors, sizes and at all prices.

HARNESS

For all types and breeds of dogs, plain or fancy harness.

Felt lined, studded leather, sizes 13, 14, 15.....\$0.45
 Sizes 16, 17, 18......60
 Sizes 19, 20, 21......75
Plain leather, without studs. Sizes, 15, 16, 18, 19......25
 Sizes 22, 24, 26......50
Studded, light leather. Sizes 24, 26, 28......70
 Sizes 30, 32, 34......1.75
Heavy weight. Sizes 18, 20, 22......1.45

COLLARS

In all sizes, plain or fancy.

Felt line, studded leather.....\$0.25
Studded leather. Sizes 13 to 20.....80c. to \$1.00
Round leather......65
Plain leather, sizes 13, 15, 17......20
Choke, Round leather......1.50

LEASHES

Complete with swivel snaps.

Light, red, black and tan\$0.20
Medium, red, black and tan55
Heavy, red, black and tan75
Round tan......1.50
Platted tan and black......35
Platted tan and black......85
Platted tan and black......1.75
Whips, braided leather with swivel snap......50
Chain, light with swivel snaps......15
Chain, medium with swivel snaps......50
Chain, heavy with swivel snaps......75
Coupling chains......35

MUZZLES

Wire, with leather straps

No. 2.....\$0.30 No. 4.....\$0.60
No. 3......40 No. 5......70

SWEATERS AND BLANKETS

We carry a complete line of sweaters and blankets in various sizes and colors.

FEEDING DISHES

Tan, trimmed in brown, for cats and dogs. 20c. and 30c.

DOG DINETTE

Wood stand, complete with water and feed dish..\$1.35

BRUSHES AND COMBS

No. 105. Leather back, wire center.....\$0.75
Wood back wire center......85
Wood back, all hair bristle......50
Wood back and handle, whale bone bristles......80
No. 957. Wire brush combs......80
Terrier brushes, wire bristle......35
Aluminum combs......40
Dog Comb or Rake, for all long, rough-coated dogs. 1.00
Amber Mane combs, for long hair dogs......50
Dog Mattress. Durable, washable zipper top.....\$1.25
Brown's Super Cedar Kennel Bedding. Keeps your dog's bed free of fleas by using aromatic cedar shavings as bedding. 5-lb. bag, 50c.; 50-lb.... 2.50

FLEA POWDERS AND SOAPS

McCormick Bee Brand Flea Powder. 10c., 25c.
Spratt's Flea Powder. 25c.
Spratt's White Flea Soap. 25c.
Spratt's Black Insecticidal Soap. 25c.
McCormick Bee Brand Shampoo. 30c.
Rotenone Dust. Most effective flea powder know. Lb. 25c.

MAJOR'S HEALTH BONE

Genuine Bone—good for your dog's teeth and gums. 15c.

NOVELTIES

Collar locks.....\$0.25
Rubber Bones, red and white......15
Rubber Balls......15
Rubber Pups' Heads......15
Rubber Mice......10
Spratt's Chalk Blocks......30

INSECTICIDES AND FUNGICIDES

Prices Subject to Market Fluctuations

Full directions with each package. Poisons and liquids not mailable

ANSUL FORMALDEHYDE DUST. Controls "Damping-off" of flower and vegetable seedlings. Treatment is safe, economical and easy to apply. No steam sterilization or seed treatment necessary. Lb. 75c., 5 lbs. \$2.00. Special prices on large quantities.

ANTROL. Kills ants in the nest. This new, ready-filled Antrol set is ready to use. Safe around pets. 4 filled feeders in handy package, 40c. Refill syrup, 4-oz. bottle, 35c.

ANTROL ANT POWDER. A non-poisonous ant exterminator. Also kills household pests. 1¼-oz. can 15c., 3-oz. can 35c.

ANT JELLY (TAT). For outdoor use—not affected by sun. A couple drops on each ant hill will rid the lawn and garden of ants. Tube, 35c. each, 3 for \$1.00.

ANT TRAPS, (TAT). Thallate ant traps kill entire colony. Each 25c., 4 for 89c.

ANTCHEK. Ant traps, safe to use around pets and children. 15c. each, 2 for 25c.

ARSENATE OF LEAD. Can be used either as a spray or as a dust for all external chewing insects. Sticks to the foliage through heaviest rains. In Bowker's you obtain unusual efficiency at no additional cost. Lb. 25c., 4 lbs. 70c., 25 lbs. \$4.15, 100 lbs. \$16.00.

ARSENATE OF LEAD, Oleate Coated. Protect your trees, shrubs, Roses, etc. against the Japanese beetle by spraying the foliage with coated lead. Lb. 50c., 2½ lbs. \$1.00, 25 lbs. \$7.00, 100 lbs. \$18.00.

ATLACIDE (Calcium Chlorate). A weed killer distinctively different. Atlacide is exceptionally effective in killing poison ivy. Non-poisonous. Powder form. 5-lb. size (kills 900 to 1500 sq. ft. weeds) at \$1.50 each; 15-lb. drum (kills 1500 to 2500 sq. ft. weeds) at \$2.70 each.

BEETLE GRUB KILLER (JAPANESE). A complete powder, ready to use, broadcasted over the lawn in either Spring or Fall. Destroys Japanese Beetle Grubs that feed on the grass roots. Kills by contact as well as by poisoning. Contains a repellent against pets and birds. Stimulates growth of grass. 5 lbs. per 100 sq. ft. Effective as well for other insects. 5 lbs. 85c., 10 lbs. \$1.35, 25 lbs. \$3.00, 100 lbs. \$9.00, 500 lbs. \$42.50.

BORDEAUX MIXTURE. A powerful fungicide for the control of blights, rust and rots in any crops where Bordeaux is recommended by the experiment stations or other agricultural authorities. When bugs or worms are present, use Bowker's Pyrox in place of Bordeaux as Bordeaux contains no poison. Lb. 25c., 4 lbs. 80c., 25 lbs. \$4.25, 100 lbs. \$15.00.

BORERKIL (nicotine paste). Effective killer of such tree borers as Leopard Moths, Carpenter Worms and Maple Borers, and others of similar habits. Each tube has a special injector. 60c.

CERESAN, NEW IMPROVED. A dust disinfectant for wheat, oats, barley and other cereals. Lb. 75c., 5 lbs. \$3.00.

COPPER OXIDE (RED). Very effective for seed treatment. Approved and recommended by State Experimental Station. 4 oz. 35c., 1 lb. 90c.

COPPER SULPHATE. Used for early spraying and the making of Bordeaux. Lb. 15c., 5 lbs. 60c., 10 lbs. \$1.00, 25 lbs. \$2.00, 50 lbs. \$3.75, 100 lbs. \$7.00.

C. P. O. SOAP SPREADER. The spreader that kills. Controls many insects on evergreens, fruits and vegetables and flowering plants. 3 ozs. 25c., pt. 60c., qt. \$1.00, gal. \$2.50.

CROW REPELLENT. Protects Corn against birds and rodents. Will not clog seeder. Saves loss of seed and increase your crops. 1-bu. size 35c., 2-bu. size 75c.

CYANOGEN A-DUST. For the positive control of rats, mice, moles, groundhogs, ants, fleas and other pests. ½ lb. tin 45c., lb. tin 75c., 5-lb. tin \$3.00, 25-lb. tin \$10.00, 100-lb. drum \$25.00.

CYANOGEN G-FUMIGANT. For greenhouse and mushroom fumigations, wireworm control, bulb fumigation and all general fumigating purposes. In the greenhouse, ¼ ounce per 1000 cubic feet will control aphids, white fly, soft scale and thrip. 5-lb. tin \$3.00, 25-lb. tin \$10.00, 100-lb. drum \$25.00.

DANDELION KILLER. A half teaspoon applied in crown of plant will destroy it within 36 hours. Material then acts as a fertilizer. Lb. can 35c. Handy applicator 80c.

DOG SKAT. A dog and cat repellent in tube form. No spraying—just hang on shrubbery. Small tube 15c., large tube 30c. Large tube lasts whole season.

DOGZOFF. A dog and cat repellent; it keeps dogs and cats away from evergreens, flowers and lawns. No more dead shrubs from this cause. Bottle 60c.

FUNGTROGEN. Conquers mildew and black spot on Roses and diseases of other plants. Assures luxuriant foliage and bloom. ½ pt. 75c., pt. \$1.25, qt. \$2.00, ½ gal. \$3.50, gal. \$6.00.

GRAFTING WAX. For grafting trees and other plants, ¼ lb. 20c., ½ lb. 30c., lb. 50c.

GRAPE AND ROSE DUST. Kills mildew indoors and out; also mites and mold. Lb. can 35c., 5 lbs. \$1.25.

JAPANESE BEETLE TRAPS AND BAIT. The sure way of killing the beetle. Traps, 30c., 50c. Bait, 10c., 30c., 50c. per can, lb. 85c. 5 lbs. \$3.00.

LETHANE 440. Most effective greenhouse control for mealy bug, red spider, thrip, midge, etc. Pt. \$2.00, qt. \$3.00, gal. \$8.50.

LIME AND SULPHUR, LIQUID. In neat cans with full cultural directions. Qt. 40c., gal. 90c. In bulk: Gal. 35c., 5 gals. 30c. gal., 10 gals. 25c. gal., 50 gals. 20c. gal. Containers extra.

LIME AND SULPHUR POWDER. Lb. 35c., 5 lbs. \$1.50, 12½ lbs. \$2.00, 100 lbs. \$13.50.

LORO. A new contact insecticide for use on flowers, vegetables, shrubs, trees and other ornamentals; nonpoisonous when used as directed. Effective on aphids (plant lice and green fly), thrips, midge, red spider, mealy bug, lace fly and leaf hopper. Pt. \$2.00, gal. \$9.75

MOLOGEN. Eliminates moles from the lawn within 2 or 3 days; non-poisonous to humans or pets. ½ lb. can 50c., 1½-lb. can \$1.25, 5-lb. can \$4.00.

NIAGARA A-1 DUST. To control aphids (plant lice) and certain other sucking insects on most plants and vegetables. Lb. 60c., 5 lbs. \$2.00, 10 lbs. \$2.50, 25 lbs. \$4.50, 50 lbs. \$8.00, 100 lbs. \$15.00.

NICO-FUME FUMIGATING POWDER. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Lb. can \$1.00, 5 lbs. \$3.35, 10 lbs. \$5.85.

NICOTINE SULPHATE "40." A concentrated nicotine solution for aphids, thrip, red spider. Oz. 35c., 5 ozs. 95c., lb. \$2.10, 2 lbs. \$3.00, 10 lbs. \$10.00.

PARIS GREEN. Used for Potato bugs and other eating insects. Lb. 50c., 5 lbs. \$2.25, 14 lbs. \$5.30.

P. T. B. (PARA-DICHLORA-BENZENE). A successful remedy for Peach tree borers. Lb. can 50c., 5 lbs. \$2.00, 10 lbs. \$3.50.

PLANT SPRAY, WILSON'S O. K. A powerful, yet safe and efficient contact insecticide for general outside or greenhouse spraying. Controls box-mite, thrips, leaf hopper, psylla, aphids, midge, Currant worms, Spruce gall, lace wing fly and many other insects found attacking flowering plants, ornamental shrubs and trees. ½ pt. 40c., qt. \$1.00, gal. \$3.00, 5 gals. \$12.00.

PYROX (Nicotine). Kills both chewing and sucking insects; controls blight and other diseases; just mix with water and spray. 17.6 ozs. 50c., 5 lbs. \$1.75, 10 lbs. \$3.00.

PYROX, REGULAR. Differs from Nicotine Pyrox only in that it has not been treated with nicotine. When used for vegetables and small fruits, it frequently increases yields 20 per cent and more. 25 lbs. \$5.00, 50 lbs. \$7.25.

RAT NIP. Sure death to rats, mice, roaches, water bugs, gophers, etc. Full directions. Tube 35c.

RAT SNAP (YOUELL'S). Sure death to rats, mice and roaches. 25c., 35c. and 75c. per box.

RATS-GO. Ready 2 set—kills rats, mice and ground moles. A red squill compound. Harmless to human beings or pets. We highly recommend Rats-Go as a sure exterminator. Pkt. 15c., pt. 50c., qt. 75c.

RED ARROW. Non-poisonous spray. Destroys sapping and eating insects by contact of spray on vegetables and plants. Oz. bottle 35c., ¼ pt. tin \$1.00, pt. \$2.70, qt. \$3.20, gal. \$9.70

ROACH TRAPS (TAT). Thallate roach traps are effective. Just set trap where roaches have been seen. Traps do the rest. 35c. each, 3 for \$1.00.

INSECTICIDES AND FUNGICIDES—Continued

ROTENONE DUST (.75 % Rotenone.) Rotenone Dust is recommended by U. S. Department of Agriculture to be used in place of poisonous arsenicals. It is non-poisonous to humans or animals. Can be diluted with water and used as a wet spray. Effectively controls insects on Cauliflower, Kale, Tomatoes, Onions, Tobacco, Potatoes and Beans. Lb. 25c., 5 lbs. 90c., 10 lbs. \$1.60, 25 lbs. \$3.35. Prices on larger quantities on application.

ROTECIDE SPRAY. The doubly effective (contact and stomach poison). Rotenone insect spray kills red spiders, Cyclamen mites, mealy bugs, Cabbage worms, beetles, thrips, aphids (plant lice) and various other insects unusually difficult to control. Rotecide is non-poisonous to birds, animals or humans. Positively will not burn or discolor the most tender foliage. This is a complete spray, simply add water. Oz. bottle 35c., 8 oz. bottle \$1.00, pt. can \$1.75, qt. can \$3.00, gal. can \$8.00.

SCALECIDE. Spray fruit, shade, evergreen trees, shrubbery and small fruits during Winter or early Spring when trees are dormant; cultural directions on cans. Qt. 65c., gal. \$1.55; in bulk: 1 gal. \$1.00, 5 gals. 85c. per gal., 25 gals. 80c. per gal., 50 gal. bbl. \$29.00.

SEMESAN. A mercuric disinfectant for vegetable and flower seed, also a remedy for the malignant grass disease called "brown patch," Semesan alone has been successful spectacularly so, and is now used throughout the country. 2 oz. tin 35c., lb. \$2.25, 5 lbs. \$9.90.

SEMESAN BEL, NEW IMPROVED. The premier disinfectant for Potatoes, bulbs, Corn, roots and tubers. Can be used either as a dust or instantaneous dip. 4 oz. tin 45c., lb. \$1.50, 5 lbs. \$6.75.

SEMESAN JR., NEW IMPROVED. A dust disinfectant for seed Corn. 4 oz. tin 35c., lb. \$1.00, 5 lbs. \$4.75.

SNAROL. Quickly kills garden pests—cut worms, sowbugs, grasshoppers, slugs, snails, earwigs, etc., are exterminated. Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. 1½-lb. pkgs. 35c., 4-lb. pkgs. 85c.

SLUG SHOT. Sure death to the Cabbage worm. It destroys all other insects also. Lb. carton 25c., 5 lbs. \$1.00, 25 lbs. \$3.00.

SULPHUR FLOWERS, FINELY POWDERED. Used for dusting plants infested with mildew. Lb. 10c., 5 lbs. 40c., 25 lbs. \$1.50, 100 lbs. \$5.25.

SULPHUR, SUPERFINE DUSTING. Excellent for fungus diseases. Lb. 7c., 5 lbs. 30c., 10 lbs. 50c., 100 lbs. \$4.25.

SUNOCO SPRAY. Excellent on ornamentals and fruit as a dormant spray. For red mite, scale; Blistermite, Aphis, Red bug, and Rot. 1 gal. \$1.25, 5 gals. \$5.00, 30 gals. 36c. per gal., 50 gals. 31c. per gal.

TOBACCO FUME-TOBAC DUST (2% nicotine). For fumigating. Lb. 25c., 10 lbs. \$2.40, 25 lbs. \$5.00, 100 lbs. \$16.75.

TOBACCO PLANTOBAC (.75% nicotine). For dusting plants. Lb. 8c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$4.75.

TOBACCO POULTOBAC. For dusting poultry. Lb. 10c., 25 lbs. \$1.75, 100 lbs. \$5.50.

TOBACCO STEMS. Used for fumigating, for covering lawns, to furnish ammonia and drive away insects and moles. Lb. 10c., 5 lbs. 30c., 10 lbs. 50c., \$2.50 per bale.

TREE TANGLEFOOT. A sure remedy against caterpillars, gypsy moths and other insects which climb the trunk of a tree. 6 oz. 35c., lb. 65c., 5 lbs. \$3.00, 10 lbs. \$5.65, 25 lbs. \$12.00.

TREE WOUND DRESSING. Wounded trees need proper dressing to prevent withering and dying. Pt. 35c., qt. 60c., gal. \$1.75.

TRI-OGEN. Triple Spray Rose treatment. Fungicide, insect killer, repellent. Complete protection against plant diseases and insects in the Rose garden. Stimulates plant growth. In highly concentrated form, in three convenient sizes. Small kit, \$1.50; medium kit, \$4.00, large kit, \$6.00.

VOLCK. A refined oil emulsion that may be used on foliage with entire safety. Effectually controls scale, mealy bug, white fly, red spider, aphids, thrips, etc. Does not discolor foliage, but rather imparts a bright, glossy appearance. 1 gal. makes from 32 to 100 gals. of spray solution. ½ pt. 35c., qt. 80c.

WEED KILLER, WILSON'S. A clean, odorless, highly concentrated liquid, offering a ready, thorough and inexpensive method of killing weeds or any other undesirable plant growth. Simply dilute with water, 1 gal. making 40 to 50 gals., sufficient to cover 800 sq. ft. Recommended for roadways, paths, stone gutters, tennis courts. Also effective spray for destroying poison ivy. Qt. 60c., gal. \$1.75, 5 gals. \$8.00.

WEED KILLER (ROCKLAND). An odorless, concentrated liquid, effective for destroying weeds and other undesirable plant growth. 1 qt. can 55c., 1 gal. \$1.50, 5 gals. \$6.50.

WHALE or FISH OIL SOAP. Used during Summer as a wash; stimulating to the plant and prevents the spread of scale. Lb. 25c., 5 lbs. \$1.10, 25 lbs. \$4.50.

SPRAYS AND DISINFECTANTS

B-K. Disinfectant-deodorant and sterilizer for general uses. Liquid, 50c., 90c. and \$2.00; 5 gals. \$8.00. Powder, 75c., \$1.50.

CHLOROFECTANT. A non-poisonous sterilizer-disinfectant and deodorant. Especially for dairies, poultry farms, hospitals, etc. Gal. \$2.00, 5 gals. \$8.50.

C. O. C. Odorless, disinfectant for dairy utensils. Gal. \$1.00.

COMFORTOL. A cow spray that protects against the bites and stings of flies and kills on contact. Is odorless and one spray lasts all day. Gal. \$1.95, 5 gals. \$8.75.

CONKEY'S NOX-I-CIDE. Dip-disinfectant and lice liquid germicide. Excellent for poultry and cattle. Pt. 40c., qt. 60c., gal. \$1.50.

JIM DANDY. A stainless live stock spray. Will not taint milk. Pleasant to use. 1 gal. \$1.25, in bulk, 90c. gal. without can.

KLEEN-KOW. Stainless, non-poisonous cattle fly spray. Makes cattle contented. \$1.45.

RIDOFLY. A quality fly spray for all purposes. Gal. \$2.10,

TOXITE. Excellent litter spray, aid in controlling coccidiosis. Red Mites, Ticks, Large Round Worm and Lice. Gal. \$1.50.

ZENOLEUM. A fine disinfectant and lice killer for all live stock and poultry. Pt. 60c., qt. 90c., gal. \$1.85.



Insect-O-Gun

The Insect-O-Gun attached directly to the garden hose. Produces large fan spray. Can be used with any insecticide soluble in water. No adjustments necessary.

\$3.75

Protect Your Fruit Trees, Shrubs, Evergreens, Deciduous Trees and Shrubs with

SUNOCO SPRAY ("One Spray Control")

Controls Scale Insects, European Red Mite, Red Bug, Aphis, Blister Mite, Thrip, Psylla, Peachleaf Curl, Cherry Aphis, and other minor insects.

Economical—"One Spray Control"

Gal. \$1.25, 5 gals. \$5.00, 30 gals. 36c. per gal., 50 gals. 31c. per gal.



AUXILIN

MIRACLE ROOT GROWER

Auxilin is easy to use. If used as directed, Auxilin removes most of the uncertainty, doubt and failure in rooting cuttings.

The amateur grower can obtain better results with Auxilin treatment of cuttings than the most skilled commercial grower can attain without it.

Commercial growers can increase profits and decrease losses by treating all cuttings with Auxilin.

1/6 oz. bottle.....\$0.50

½ oz. bottle.....1.00

3 ½ oz. bottle.....6.00

8 oz. bottle.....12.00

FERTILIZERS

Prices Subject to Market Fluctuations

PRICES ON APPLICATION FOR QUANTITIES OVER 100 LBS.

ADCO. Artificial manure is made with straw or other vegetable waste mixed with Adco, the bacterial food. Is clean and repels flies. Turn your garden waste into real manure. 7½ lb. box \$1.00, 25-lb. bag \$2.00, 150-lb. bag \$10.50.

ALUMINUM SULFATE. Used in making soil acid especially in the culture of Azaleas, Rhododendrons and similar plants. Use 1 lb. to 10 sq. ft. of surface. Lb. 15c., 5 lbs. 60c., 10 lbs. \$1.00.

AMMONIA SULFATE. High nitrogen content, makes quick growth and has a tendency to make soil acid. Lb. 10c., 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00.

BONE FLOUR. Very finely hard pulverized bone, good for fertilizing over a long period of time. 5 lbs. 25c., 10 lbs. 45c., 25 lbs. \$1.00, 100 lbs. \$3.00.



BONE, PURE GROUND (Ammonia 3½%). Good for all kinds of fertilizing; slow in action but lasting. 5 lbs. 30c., 10 lbs. 55c., 25-lb. bag \$1.25, 50-lb. bag \$2.00, 100-lb. bag \$3.25.

BONE, STEAMED (Ammonia 3%). A quick acting bone. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

BOVUNG (2-2-2). Composed of cow manure, dehydrated and odorless. One of the best organic fertilizers on the market. 50-lb. bag \$1.50, 100-lb. \$2.50. Special prices on larger quantities.

FERTILIZER SPREADERS

Every home needs this new gardening aid. Spreads Vigoro and seed evenly and accurately. Saves time and labor. Ideal for sowing on windy days. Designed for use on established lawns. \$3.00 and up.

GARDEN AND TRUCK (3-12-6). For general all around garden purposes. 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100-lb. bag \$2.50.

HYPER-HUMUS. Nature's product for enriching lawns, soil for all kinds of gardening and for stimulating potted plants. Used in making fine lawns, especially where soil is poor, 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.00, \$20.00 per ton in bulk. Special price on 5 ton lots.

LIME-LIMOID, HYDRATED. For vegetable garden and lawn. 10 lbs. spread 10x10; 100 lbs., 20x50. 10-lb. bag 25c., 50-lb. bag 65c., 100 lbs. \$1.00.

MUM MANURE, SMITH'S (5-5-4). Specially prepared for Chrysanthemums; very effective. 100 lbs. \$3.75.

MURIATE OF POTASH (50% actual potash). 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

NITRATE OF SODA. Fertilizer for rushing a growing crop. Lb. 10c., 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

NITROPHOSKA (15-30-15). A concentrated complete fertilizer. "A little goes a long way." Wonderful for lawns, shrubbery, flowers and vegetables. Lb. 25c., 5 lbs. 90c., 10 lbs. \$1.50, 25 lbs. \$2.75, 50 lbs. \$4.75, 100 lbs. \$6.00.



Finely granulated, great soil conditioner—corrects sandy or clayey soils and makes them produce much better plants. Maintains moisture content of soil. Also used as a Summer and Winter mulch around plants and shrubbery for complete protection. Bale, 20 bus. \$3.50.

PREMIER SWEDISH PEAT MOSS. Excellent for mulching and general horticultural purposes, maintains moisture. 1 bu. carton, 60c.; bale, about 20 bu., \$3.00.

FULTON'S PLANTABBS

ODORLESS PLANT FOOD TABLETS

You will be assured beautiful gardens, lovely house plants, by using the new, improved, quick dissolving fertilizer tablets.



No waste, no weeds, no run-off, uniform feeding, easy to use, immediate fertilization, economical. Guaranteed analysis: Nitrogen, 11%; phosphoric acid, 15%; potash, 20%; being the most concentrated plant food tablets on the market. 30 tablets 25c., 75 tablets 50c., 200 tablets \$1.00, 1000 tablets \$3.50.

POTATO FERTILIZER (4-10-9). 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.65.

POULTRY MOSS. An ideal bedding material for animals and for the chicken house. Bale, about 135 lbs. \$3.00.

SHEEP MANURE. A safe fertilizer for all crops. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.25.

SUPERPHOSPHATE (16%). 5 lbs. 30c., 10 lbs. 45c., 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.00.

TRENTON LAWN AND SHRUB MIXTURE (4-12-10) is the best. It is not odorless, which in itself is a guarantee that this mixture contains organics making it a slow feeder, which will not force such as a chemical or odorless plant food. Too much forcing causes the lawns to burn or turn brown. 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

VIGORO. A specially prepared plant food for lawns, vegetable and flower gardens, shrubbery, trees, etc. 1 lb. pkg. 10c., 5 lbs. 45c., 10 lbs. 85c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

VITA-VIM C. House plants, like house pets, must be fed. Vita-Vim C, applied monthly, will give your plants the food they need, and will prevent over-acidity. It is a high quality product made especially for House Plants in cities, but costs so little—three feedings for one cent. *It feeds completely. It's acid corrective. Ask the man who knows.* Lb. box 35c.

WHEAT AND CORN (5-8-7). 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.65.

Know the Joys of Successful Gardening



Have a beautiful, deep-green, weedless lawn . . . larger, more colorful flowers . . . healthy, full-foliaged shrubs and trees! You *can* have all these things if you feed VIGORO, the complete, scientific plant food made by Swift. It contains all 11 needed plant food elements.

Millions of gardeners rely on Vigoro

Only 4 pounds of Vigoro per 100 square feet gives a real square meal to your lawn or garden.

100-lb. bag	\$4.00	10-lb. pkg.	\$0.85
50-lb. bag	2.50	5-lb. pkg.	.45
25-lb. bag	1.50	1-lb. pkg.	.10

every year. They like this clean, odorless plant food because it is so easy to use and yet gives assured results.

If you haven't tried Vigoro, we recommend that you try it this year. You'll be well rewarded if you do, because you'll find Vigoro the most effective and economical plant food you can buy. Add it to your order!

VIGORO

A Product of Swift

The Square Meal for Lawns, Flowers, Shrubs, Trees, and Gardens

The RIBSAM Flower Department

Quality, Quantity and Service, these are our bywords since this Department has been in existence. We have seasonable cut flowers in stock at all times for every Social Function. We have at all times a complete and beautiful stock of decorative Palms, Ferns and Plants. We specialize in wedding bouquets, corsages, baskets, and funeral designs.

"Say it with Flowers"

. . . Telegraphed to Any Part of the World

Distance need be no barrier. Friends abroad or boarding steamers or trains for travel, can be reached in a short space of time with an expression of your friendly sentiments.

LARGE STOCK OF SEASONABLE BLOOMING PLANTS, FERNS, ETC. . . . MODERN POTTERY, BASKETS, ETC.



"Always Better Birds at Ribsam's"

Because of the excellent facilities available in keeping our birds, having many natural conditions, outside environment and an abundance of sunlight and fresh air, the birds are kept in the best of condition and song. We cordially invite you to visit our Pet Department.

BIRD CAGES & STANDS

We have on display the new sizes and shapes which have become so popular, and, of course, the new colorings are introduced so that they will harmonize with the color scheme of your room.

GOLDFISH AND TROPICALS

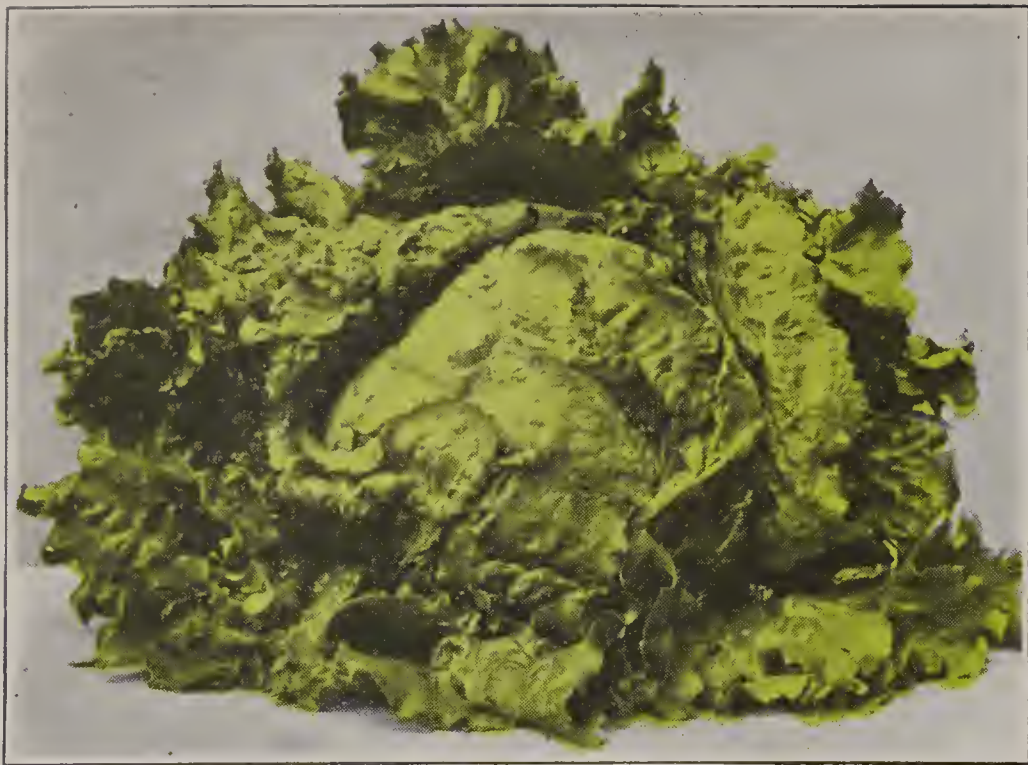
All sizes and sorts in these lively little pets. Telescope and Fantails, and other Japanese sorts that never become outdated.

Tropical fish are now the vogue. They will breed in small aquariums and are interesting pets for both adults and children.

AQUARIUMS

In our Aquarium Department, one will find latest ideas in the construction of modern fish aquariums, including electrically lighted types.

We carry a full line of accessories for Breeding of the popular Tropical fish, such as heaters, thermostats, aerators and breeding traps.



Lettuce, New York No. 515, Improved

LETTUCE, NEW YORK No. 515, Improved

is an early variety well adapted to Summer and early Fall production; resistant to tip burn, heads medium large, compact, attractive and an excellent commercial variety.

RUTGERS, MAIN CROP TOMATO

A popular second early variety desirable for market gardeners, for canning and for juice. Plants are large, with thick stems and vigorous foliage; fruits are flattened at stem end, bright red, smooth, with thick, fleshy walls and small seed cells. It ripens from the center and is of low acidity.



Tomato, Rutgers

GOLDEN CROSS BANTAM CORN

One of the best of the hybrid Sweet Corns, having remarkable resistance to Stewart's Disease, increased yield, ability to withstand adverse weather conditions, uniform 7 to 8 inch ears, and 10 to 14 rows of golden yellow kernels.



Corn, Golden
Cross Bantam